



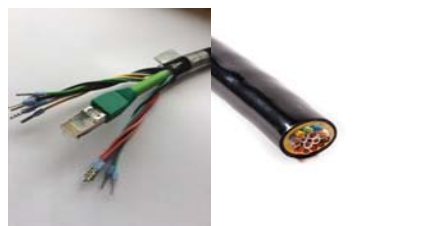
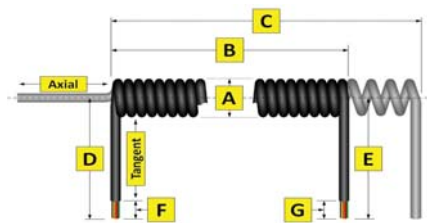
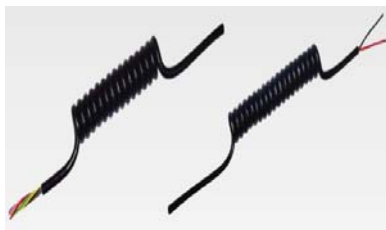
# Westfield Electronics



**Cost Effective Bespoke Cable and Coil (Retractable Cables) Design and Manufacture**

**Cable Assemblies Manufactured in the UK and the Far East**

Industries: Agriculture / Aviation / Chemical / Defence / Electrical / Electronics /  
Communications / Commercial Vehicles / Industrial Control / Marine / Medical / Oil etc



Electrical Power Cables; Automotive Cables and Retractable and Extendable Coils; ISO 1185, ISO 1817, ISO 3731,  
ISO 3732, ISO 4141, ISO 6722, ISO 7638-1, ISO 7638-2, ISO 12098, ISO 11446-1, ISO 25981

**Tel: +44(0)1488 685183**

**sales@westfield.co.uk**

**www.westfield.co.uk**



## Quality Solutions to your Exacting Requirements

Tooling creation capabilities, injection moulding / overmoulding facilities, this enables Westfield and it's customers to take advantage of economies of scale for cost effective automated cable assembly production where possible.

Additionally Westfield also offers Standard and Bespoke Connectors & Cable Assemblies Manufactured either here in the UK or from our Far Eastern Facilities and Partners to IPC Standards & ISO9001 Examples Shown below.

Using hand Tools, Semi Automatic Presses, Fully Automatic cut, strip and crimp machines, we have the capability to supply prototype, small, medium and high volume cable assemblies at very competitive prices.

**Note: Custom Raw Cable Manufacture Minimum Order Lengths May Apply Typically 300 Metres**



Certificate No: 6595



Custom Straight Cable  
Custom Coiled Cable  
Custom Retractable Coiled Cables  
Custom Wiring Looms / Cable Assemblies



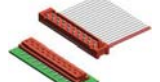
Solder Type Cable Assemblies  
Crimp & Poke Cable Assemblies  
IDC Cable Assemblies  
Coax-Cable Assemblies



Fibre Optic Cables  
D-Type Cable Assemblies  
Military Circular Cable Assemblies  
Moulded Mains Leads



LVDS Cables  
Ribbon Cable Assemblies  
Audio Leads  
USB Leads  
CAT5 Leads



CAT6 Low Smoke Zero Halogen  
CAT7 Leads



IP65 Cable Assemblies  
IP67 Computer Input / Output Cable Assemblies  
IP67 M5 Cable Assemblies  
IP67 M8 Cable Assemblies  
IP67 M10 Cable Assemblies  
IP67 M12 Cable Assemblies  
IP67 M16 Cable Assemblies  
IP67 M23 Cable Assemblies



Overmoulded cable assemblies  
HDMI Leads  
Waterproof Cable Assemblies  
Low Smoke Zero Halogen Cables



Popular Connector Brands are listed below that we are used to Sourcing / Distributing and Incorporating into Cable Assemblies.



### About Us:

Incorporated in 1987, ISO9001:2015 approved, the companies engineering staff have the skill and experience in assisting customers with cost effective design / product selection, application suggestions utilising Standard or Custom Connectors and Cable assemblies [when required](#). Many Customers regard us as an extension of their own production facility, outsourcing manufacturing and supply to us rather than maintaining a high overhead in house.

We offer a specialist service by meeting / exceeding customer exact requirements for both standard and non standard Connectors and Cable Assemblies.

We pride ourselves on customer service and our ability to react quickly to customer needs with competitive pricing, fast turn around and high quality products.

### Technical:

Optimising our skill / experience and contacts in the Industry, we specialise in solving customer problems by offering cost effective solutions or offer alternative options, we can analyse your application and advise you during your design phase.

Our technical expertise and access to our facilities and partners in the U.K. Taiwan, China, France, Germany, Switzerland and the USA means we can design, produce tooling, and manufacture bespoke connectors and cables for specific customer applications..

### Engineering Drawings:

Customers often require assistance in the production of manufacturing drawings ready for production to reduce the workload on their own engineering departments. We are happy to produce drawings for customers as a one off activity or as part of a contract.

All drawings produced in-house are confidential and are only released on prior authority from the customer.

Unique Westfield Part Numbers are assigned to cable assemblies, we have the ability to label / pack as required and ship with Customers Part Numbers on all Invoices / Delivery notes / Product packing labels.

### Customer Visits / Engineering Support:

We can provide on-site customer support within your R&D and Engineering departments, providing assistance to your design engineers.

### Buyers / Purchasing Managers / Directors / Quality Managers:

We can provide on-site customer support within your Purchasing and Quality departments, providing assistance with BOM analysis / Cost reduction exercises / help with purchasing / kitting functions / logistics .. arranging shipping direct from the far east to any of your facilities.

### Quotations / Contracts:

We endeavour to give you high quality cost effective products delivered on time every time with shipments either from our UK or Far East warehouses and production facilities. Pass onto customers economies of scale where possible when common items are supplied in bulk.

### Despatching your order

Our International Distribution centre is staffed by personnel who will pick, pack and despatch your order. We are able to meet any custom packaging requirements, ranging from custom labelling of individual parts to a full kitting Service.

We are able to ship globally using either our preferred carriers or using your own DHL / Fedex accounts etc.

Shipments from the Far East can also be arranged directly to any of your global facilities.

Customers receive up-to date order despatch information via e-mail confirming the shipping date and tracking number of the customer purchase order.

All shipments are shipped overnight - Nationwide [trackable](#) next day delivery.

### Quality

ISO 9001:2015 accredited, and manufacturing to IPC-A- 610 and IPC-WHMA- A-620B

Many Products and Manufacturers / Suppliers we use are UL Approved and Listed.

Custom Products can be manufactured to comply with applicable international standards including new connector / mould tooling.

We also can get new products UL Approved.

The company exists to serve the needs of Local and Global OEM Manufacturers and Contract Electronic Manufacturers across all industries.

Providing high quality cost effective design / application solutions via email, phone, visit, BOM / Schematic / Sample analysis, economies of scale utilising fully automatic machinery where possible along with passing on discounts to customers who share the same products in volume.

REACH ( EC1907/2006 ) Compliant

RoHS ( 2011/65/EU ) Compliant

# CONTENTS

**Note: Custom Raw Cable Manufacture Minimum Order Lengths May Apply Typically 300 Metres**

## Contents and Guidance

### Contents

Conductor, Cable and Coil Guidance & Information	Page	1
--	------	---

## POWER

Pages 2-9

Single Core Earthing Cables	Page	2
2-Core Power Cables	Page	3
3-Core Power Cables	Page	4
4-Core Power Cables	Page	5
5-Core Power Cables	Page	6
6 & 7-Core Power Cables	Page	7
8 to 15-Core Power Cables	Page	8
Low-Voltage Power Cables	Page	9

## AUTOMOTIVE: COMMERCIAL VEHICLES, TRAILERS, CARAVANS, BATTERY CHARGING ETC.

Pages 10-20

Automotive / Commercial Vehicles: 7-Core Cables	Page	10
Automotive / Commercial Vehicles: 7-Core Plugs/Sockets	Page	11
Automotive / Commercial Vehicles: ABS (5 Core) & EBS (7 Core) Cables	Page	12
Automotive / Commercial Vehicles: ABS (5 Core) & EBS (7 Core) Plugs/Sockets	Page	13
Automotive / Commercial Vehicles: 15-Core & Adaptor Cables	Page	14
Automotive / Commercial Vehicles: 15-Core & Adaptor - Plugs & Sockets	Page	15
Automotive / Commercial Vehicles: Trailer Battery Charging Cables	Page	16
Automotive / Commercial Vehicles: Trailer Battery Charging Plugs/Sockets	Page	17
Automotive / Commercial Vehicles: Specialist - Low Voltage Cables	Page	18
Automotive / Commercial Vehicles: Specialist & Miscellaneous Cables	Page	19
Automotive / Commercial Vehicles: Specialist & Miscellaneous Plugs/Sockets inc Nato	Page	20

## COMMUNICATIONS & ELECTRONICS

Pages 21-22

Unscreened Communications / Electronics Cables	Page	21
Screened Communications / Electronics Cables	Page	22

## END-PREPARATION AND VALUE ADDED SERVICES

Pages 23

Standard & Bespoke End-Preparation Services	Page	23
Customer Requirement Drawing Pages	Page	24 & 25

## Conductor, Cable and Coil Guidance & Information

Please see below for Westfield insulated-core/cable/coil, product

### CONDUCTORS

We have available a variety of copper wire sizes (currently 15), for standard and custom cables.

All insulated cores used in our cables are made using *stranded flexible bunched conductors*.

Additionally, conductors  $\geq 0.50\text{mm}^2$  are to BS EN 60228 Class 5.

For guidance purposes, the table to the right indicates which AWG size is the closest equivalent to the given Westfield wire size;  $>/<$  indicate whether the Westfield wire CSA is greater than or less than the given AWG wire size.

Westfield Wire Size		AWG - Nearest equivalent	
Cross-Sectional Area (CSA)		AWG Size	Cross-Sectional Area (CSA)
0.09 (mm <sup>2</sup> )	>	28	0.081 (mm <sup>2</sup> )
0.14 (mm <sup>2</sup> )	>	26	0.129 (mm <sup>2</sup> )
0.20 (mm <sup>2</sup> )	<	24	0.205 (mm <sup>2</sup> )
0.50 (mm <sup>2</sup> )	<	20	0.518 (mm <sup>2</sup> )
0.75 (mm <sup>2</sup> )	<	18	0.823 (mm <sup>2</sup> )
1.00 (mm <sup>2</sup> )	<	17	1.040 (mm <sup>2</sup> )
1.50 (mm <sup>2</sup> )	<	15	1.650 (mm <sup>2</sup> )
2.00 (mm <sup>2</sup> )	<	14	2.080 (mm <sup>2</sup> )
2.50 (mm <sup>2</sup> )	<	13	2.620 (mm <sup>2</sup> )
4.00 (mm <sup>2</sup> )	<	11	4.170 (mm <sup>2</sup> )
6.00 (mm <sup>2</sup> )	<	9	6.630 (mm <sup>2</sup> )
10.00 (mm <sup>2</sup> )	<	7	10.500 (mm <sup>2</sup> )
25.00 (mm <sup>2</sup> )	<	3	26.700 (mm <sup>2</sup> )
35.00 (mm <sup>2</sup> )	>	2	33.600 (mm <sup>2</sup> )
50.00 (mm <sup>2</sup> )	<	1	50.260 (mm <sup>2</sup> )

### INSULATED CORES

<b>Design:</b>	Our Insulated Cores conform to ISO 6722-1, BS EN 50525, customer requirements/specifications/drawings and/or to other applicable standards as appropriate. Choice of over 20 standard colours, plus striping options available.		
<b>Sizes:</b>	Standard insulation diameters range from 0.85mm to 10.00mm; custom sizes can be produced to requirements.		
<b>Insulation Materials / Class &amp; Applications:</b>	• PVC Thin-Wall	(ISO 6722-1 Class A) Mainly used in Automotive, and other Low-Voltage applications	
	• PVC Power	Generally used in Domestic and Industrial applications (rated to 300V/500V)	
	• TPE (Rubber)	Used in Industrial (450V/750V), Commercial Vehicle, Military and Low-Temperature applications	
	• TPC-ET	Used in Communications and Electronics applications requiring excellent dielectrics	

### CABLE & SHEATHING

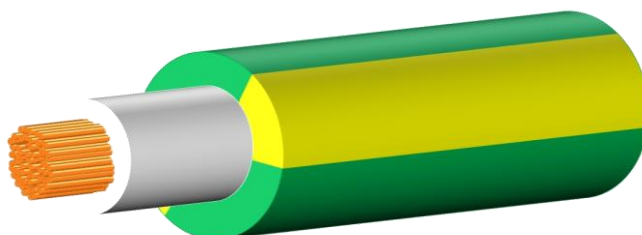
<b>Design:</b>	Cable Sheath/Jacket	Single sheath or double (sheathing + bedding) jackets (see Materials below)
	Number of Cores	1-17 cores, dependent on CSA of conductors (see Conductors above), and max. cable O/D c17.0mm
	Screening	Copper-wire screening available on communications and electronics cables
<b>Sizes:</b>	Cable diameters range from 1.8mm to 17.0mm.	
<b>Sheathing Materials &amp; Applications:</b>	We use various <i>sheathing materials</i> (see <i>Retractable Coils - Materials</i> , for material characteristics), including:	
	• PVC	(Polyvinyl Chloride) for general light-use, domestic and some automotive applications
	• TPE	(Thermoplastic Elastomeric Rubber) generally used for commercial vehicle and military applications
	• TPU	(Thermoplastic Polyurethane) Suitable for most applications, from sensitive communications applications to heavy duty commercial vehicle and industrial applications
	• TPC-ET	(Thermoplastic Co-Polyester Elastomer) for heavy-duty products and for use in extreme environments

### RETRACTABLE COILS

<b>Design:</b>	Retractable coils are designed and manufactured, either to:	
	• Customer Specification	Designed and made to customer requirements, specifications and/or drawings.
	• ISO Standard(s) etc.	For example, Commercial vehicles coils are made to standards such as ISO 4141, ISO 1185, ISO 3731, ISO 1724, ISO 3732, ISO 12098, ISO 11446-1, ISO 25981
<b>Lengths:</b>	Retractable coils (suzies) can be manufactured to 2 types of requirement:	
	• Closed Coil length:	Available from 20mm to 2.5metres
	• Extension/Working Length:	Available from 80mm to 50metres (including tails)
<b>Coil O/D:</b>	Coil diameters vary considerably, from under 10mm to over 200mm, dependent on cable and application.	
<b>Sheath/Coil Materials &amp; Characteristics:</b>	• PVC	Cost-effective; moderate retraction force; moderate durability
	• TPE	Improved retractability; durability; chemical and temperature resistance
	• TPU	Further improved retractability; durability; chemical, abrasion and temperature resistance
	• TPC-ET	For high performance applications; the best retractability; durability and chemical, abrasion and temperature resistance



## Single Core Earthing Cables



Galvanised-Steel-Wire Anti-Static Earthing Cables							
Part Number*	No. of Cores x CSA (mm <sup>2</sup> )	Core Colours*	Core Ins Material	Inner Sh. Material	Sheath Material	Cable dia (mm)	Coil dia approx (mm)
WFD113017 Green	1 x 3.00G	-	-	-	TPC-ET	5.00	44
WFD113017 Yellow	1 x 3.00G	-	-	-	TPC-ET	5.00	44
WFD113007 Blue	1 x 3.00G	Natural	PVC	-	TPC-ET	6.50	56
WFD113007 Green	1 x 3.00G	Natural	PVC	-	TPC-ET	6.50	56
WFD113007 Orange	1 x 3.00G	Natural	PVC	-	TPC-ET	6.50	56

All Cable and Cores are available in straight lengths to bespoke sizes on request

Earthing Cables (Copper Conductor)							
Part Number*	No. of Cores x CSA (mm <sup>2</sup> )	Core Colours*	Core Ins Material	Inner Sh. Material	Sheath Material	Cable dia (mm)	Coil dia approx (mm)
WFD414007 Green/Yellow	1 x 4.00	Natural	PVC	-	TPC-ET	7.25	63
WFD416007 Green/Yellow	1 x 6.00	Natural	PVC	-	TPC-ET	8.00	65
WFD416007 Green	1 x 6.00	Natural	PVC	-	TPC-ET	8.00	65
WFD4110007 Green/Yellow	1 x 10.00	Natural	PVC	-	TPC-ET	9.00	67

### CORES & CABLE

- Copper conductor sizes available (for Earthing cables): (CSA) 4.00mm<sup>2</sup>, 6.00mm<sup>2</sup> & 10.00mm<sup>2</sup>
- Galvanized Steel Wire size 3.00mm<sup>2</sup> (3.00G) (for *anti-static* Earthing)
- Core colours as specified against each part in the above table. Other colours are available on request\*.
- Currently available with TPC-ET outer-sheath only; colours as above - other colours/materials available on request\*.

### RETRACTABLE COILS

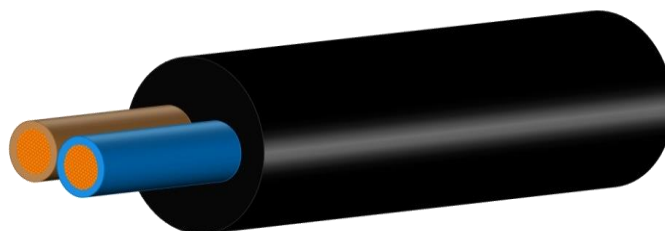
- All specifications are available as coiled retractable cables;
- Closed-coil lengths available from 100mm to 2500mm; supplied with 150mm tails as standard (any length available on request\*)
- Extension ratios (closed coil to max. extension) typically = PVC 1-4 / TPE: 1-4 / TPU: 1-6

### PLUGS & END-PREPARATION

All cable specifications available with any combination of:

- Plain-ends
- (Inner &) Outer-Sheath removed from tail(s)
- Various Ferruling, tinning, crimping and assembly services available on request

## 2-Core Power Cables



Part Number*	No. of Cores x CSA (mm <sup>2</sup> )	Core Colours*	Core Ins Material	Inner Sh. Material	Sheath Material	Cable dia (mm)	Coil dia approx (mm)
WFD420505 Black	2 x 0.50	Brown, Blue	PVC	-	PVC	6.00	20
WFD420506 Black	2 x 0.50	Brown, Blue	PVC	-	TPU	5.75	19
WFD420745 Black	2 x 0.75	Red, Black	PVC	-	PVC	6.50	20
WFD420755 Black	2 x 0.75	Brown, Blue	PVC	-	PVC	6.75	23
WFD420754 Black	2 x 0.75	Brown, Blue	PVC	-	TPE	7.75	27
WFD420756 Black	2 x 0.75	Brown, Blue	PVC	-	TPU	7.00	25
WFD421005 Black	2 x 1.00	Brown, Blue	PVC	-	PVC	8.00	27
WFD421004 Black	2 x 1.00	Brown, Blue	PVC	-	TPE	8.50	30
WFD421006 Black	2 x 1.00	Brown, Blue	PVC	-	TPU	7.00	25
WFD421505 Black	2 x 1.50	Brown, Blue	PVC	-	PVC	9.00	31
WFD421504 Black	2 x 1.50	Brown, Blue	PVC	-	TPE	9.50	35
WFD422504 Black	2 x 2.50	Brown, Blue	PVC	-	TPE	10.50	37
WFD424006 Black	2 x 4.00	Brown, Blue	PVC	-	TPU	12.50	47
WFD426004 Grey	2 x 6.00	Red, Black	TPE	-	TPE	14.50	48

**All Cable and Cores are available in straight lengths to bespoke sizes on request**

### CORES & CABLE

- Conductor sizes available as standard (for 2 Core power cables): (CSA) 0.50mm<sup>2</sup>, 0.75mm<sup>2</sup>, 1.00mm<sup>2</sup>, 1.50mm<sup>2</sup>, 2.50mm<sup>2</sup>, 4.00mm<sup>2</sup> & 6.00mm<sup>2</sup>
- Core colours as specified against each part in the above table. Other colours are available on request\*.
- Available with PVC, TPU or TPE outer-sheath; Black as standard (except where specified), other colours available on request\*.

### RETRACTABLE COILS

- All specifications are available as coiled retractable cables;
- Closed-coil lengths available from 100mm to 2500mm; supplied with 150mm tails as standard (any length available on request\*)
- Extension ratios (closed coil to max. extension) typically = PVC 1-4 / TPE: 1-4 / TPU: 1-6

### PLUGS & END-PREPARATION

All cable specifications available with any combination of:

- Plain-ends
- (Inner &) Outer-Sheath removed from tail(s)
- Various Ferruling, tinning, crimping and assembly services available on request

## 3-Core Power Cables



Part Number*	No. of Cores x CSA (mm <sup>2</sup> )	Core Colours*	Core Ins Material	Inner Sh. Material	Sheath Material	Cable dia (mm)	Coil dia approx (mm)
WFD430505 Black	3 x 0.50	Brown, Blue, Green/Yellow	PVC	-	PVC	6.50	23
WFD430753 Black	3 x 0.75	Brown, Blue, Green/Yellow	PVC	-	TPE	7.25	23
4WFD30754 Black	3 x 0.75	Brown, Blue, Green/Yellow	PVC	-	TPE	9.50	35
WFD430755 Black	3 x 0.75	Brown, Blue, Green/Yellow	PVC	-	PVC	7.25	24
WFD430756 Black	3 x 0.75	Brown, Blue, Green/Yellow	PVC	-	TPU	7.50	26
WFD431004 Black	3 x 1.00	Brown, Blue, Green/Yellow	PVC	-	TPE	9.50	32
WFD431005 Black	3 x 1.00	Brown, Blue, Green/Yellow	PVC	-	PVC	8.50	30
WFD431006 Black	3 x 1.00	Brown, Blue, Green/Yellow	PVC	-	TPU	8.00	29
WFD431504 Black	3 x 1.50	Brown, Blue, Green/Yellow	PVC	-	TPE	10.00	36
4WFD31505 Black	3 x 1.50	Brown, Blue, Green/Yellow	PVC	-	PVC	9.50	35
WFD431506 Black	3 x 1.50	Brown, Blue, Green/Yellow	PVC	-	TPU	9.50	35
WFD432504 Black	3 x 2.50	Brown, Blue, Green/Yellow	PVC	-	TPE	11.25	42
WFD432505 Black	3 x 2.50	Brown, Blue, Green/Yellow	PVC	-	PVC	11.25	42
WFD432506 Black	3 x 2.50	Brown, Blue, Green/Yellow	PVC	-	TPU	11.50	42
WFD434004 Black	3 x 4.00	Brown, Blue, Green/Yellow	PVC	-	TPE	13.50	52
WFD434006 Black	3 x 4.00	Brown, Blue, Green/Yellow	PVC	-	TPU	13.50	52
WFD436004 Black	3 x 6.00	Red, Black, Green	TPE	-	TPE	16.50	58

### CORES & CABLE

- Conductor sizes available as standard (for 3 Core power cables): (CSA) 0.50mm<sup>2</sup>, 0.75mm<sup>2</sup>, 1.00mm<sup>2</sup>, 1.50mm<sup>2</sup>, 2.50mm<sup>2</sup>, 4.00mm<sup>2</sup> & 6.00mm<sup>2</sup>
- Core colours as specified against each part in the above table. Other colours are available on request\*.
- Available with PVC, TPU or TPE outer-sheath; Black as standard (except where specified), other colours available on request\*.

### RETRACTABLE COILS

- All specifications are available as coiled retractable cables;
- Closed-coil lengths available from 100mm to 2500mm; supplied with 150mm tails as standard (any length available on request\*)
- Extension ratios (closed coil to max. extension) typically = PVC 1-4 / TPE: 1-4 / TPU: 1-6

### PLUGS & END-PREPARATION

All cable specifications available with any combination of:

- Plain-ends
- (Inner &) Outer-Sheath removed from tail(s)
- Various Ferruling, tinning, crimping and assembly services available on request



## 4-Core Power Cables



Part Number*	No. of Cores x CSA (mm <sup>2</sup> )	Core Colours*	Core Ins Material	Inner Sh. Material	Sheath Material	Cable dia (mm)	Coil dia approx (mm)
WFD440503 Black	4 x 0.50	Brown, Black, Green/Yellow, Grey	PVC	-	TPE	7.50	25
WFD440754 Black	4 x 0.75	Brown, Black, Green/Yellow, Grey	PVC	-	TPE	9.50	35
WFD440755 Black	4 x 0.75	Brown, Black, Green/Yellow, Grey	PVC	-	PVC	8.00	27
WFD440756 Black	4 x 0.75	Brown, Black, Green/Yellow, Grey	PVC	-	TPU	8.50	30
WFD441004 Black	4 x 1.00	Brown, Black, Green/Yellow, Grey	PVC	-	TPE	9.50	35
WFD441005 Black	4 x 1.00	Brown, Black, Green/Yellow, Grey	PVC	-	PVC	8.75	30
WFD441006 Black	4 x 1.00	Brown, Black, Green/Yellow, Grey	PVC	-	TPU	9.00	31
WFD441504 Black	4 x 1.50	Brown, Black, Green/Yellow, Grey	PVC	-	TPE	11.50	42
WFD441505 Black	4 x 1.50	Brown, Black, Green/Yellow, Grey	PVC	-	PVC	10.50	37
WFD441506 Black	4 x 1.50	Brown, Black, Green/Yellow, Grey	PVC	-	TPU	10.50	37
WFD442504 Black	4 x 2.50	Brown, Black, Green/Yellow, Grey	PVC	-	TPE	12.50	44
WFD442506 Black	4 x 2.50	Brown, Black, Green/Yellow, Grey	PVC	-	TPU	12.50	50
WFD444004 Black	4 x 4.00	Brown, Black, Green/Yellow, Grey	PVC	-	TPE	15.00	55
WFD446004 Black	4 x 6.00	Red, Red, Black, Black	TPE	-	TPE	17.50	68

**All Cable and Cores are available in straight lengths to bespoke sizes on request**

### CORES & CABLE

- Conductor sizes available as standard (for 4 Core power cables): (CSA) 0.50mm<sup>2</sup>, 0.75mm<sup>2</sup>, 1.00mm<sup>2</sup>, 1.50mm<sup>2</sup>, 2.50mm<sup>2</sup>, 4.00mm<sup>2</sup>
- Core colours as specified against each part in the above table. Other colours are available on request\*.
- Available with PVC, TPU or TPE outer-sheath; Black as standard (except where specified), other colours available on request\*.

### RETRACTABLE COILS

- All specifications are available as coiled retractable cables;
- Closed-coil lengths available from 100mm to 2500mm; supplied with 150mm tails as standard (any length available on request\*)
- Extension ratios (closed coil to max. extension) typically = PVC 1-4 / TPE: 1-4 / TPU: 1-6

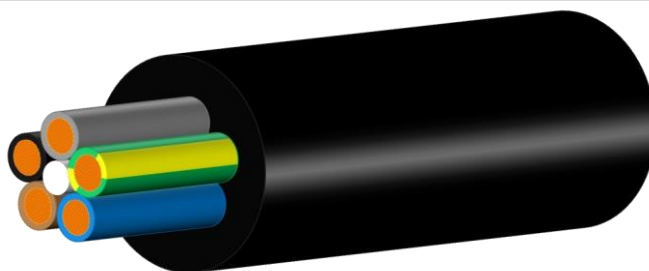
### PLUGS & END-PREPARATION

All cable specifications available with any combination of:

- Plain-ends
- (Inner &) Outer-Sheath removed from tail(s)
- Various Ferruling, tinning, crimping and assembly services available on request

## 5-Core Power Cables

Fillers used for shape



Part Number*	No. of Cores x CSA (mm <sup>2</sup> )	Core Colours*	Core Ins Material	Inner Sh. Material	Sheath Material	Cable dia (mm)	Coil dia approx (mm)
WFD450754 Black	5 x 0.75	Brown, Black, Green/Yellow, Grey, Blue	PVC	-	TPE	10.50	37
WFD451005 Black	5 x 1.00	Brown, Black, Green/Yellow, Grey, Blue	PVC	-	PVC	9.50	35
WFD451006 Black	5 x 1.00	Brown, Black, Green/Yellow, Grey, Blue	PVC	-	TPU	9.00	34
WFD451504 Black	5 x 1.50	Brown, Black, Green/Yellow, Grey, Blue	PVC	-	TPE	13.00	51
WFD451506 Black	5 x 1.50	Brown, Black, Green/Yellow, Grey, Blue	PVC	-	TPU	12.00	49
WFD452504 Black	5 x 2.50	Brown, Black, Green/Yellow, Grey, Blue	PVC	-	TPE	14.00	53
WFD452506 Black	5 x 2.50	Brown, Black, Green/Yellow, Grey, Blue	PVC	-	TPU	14.00	53
WFD454004 Black	5 x 4.00	Brown, Black, Green/Yellow, Grey, Blue	PVC	-	TPE	15.50	60
WFD454006 Black	5 x 4.00	Brown, Black, Green/Yellow, Grey, Blue	PVC	-	TPU	15.50	60

All Cable and Cores are available in straight lengths to bespoke sizes on request

### CORES & CABLE

- Conductor sizes available as standard (for 5 Core power cables): (CSA) 0.50mm<sup>2</sup>, 0.75mm<sup>2</sup>, 1.00mm<sup>2</sup>, 1.50mm<sup>2</sup>, 2.50mm<sup>2</sup>, 4.00mm<sup>2</sup>
- Core colours as specified against each part in the above table. Other colours are available on request\*.
- Available with PVC, TPU or TPE outer-sheath; Black as standard (except where specified), other colours available on request\*.

### RETRACTABLE COILS

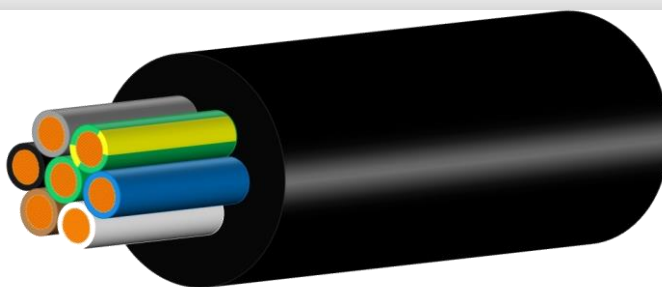
- All specifications are available as coiled retractable cables;
- Closed-coil lengths available from 100mm to 2500mm; supplied with 150mm tails as standard (any length available on request\*)
- Extension ratios (closed coil to max. extension) typically = PVC 1-4 / TPE: 1-4 / TPU: 1-6

### PLUGS & END-PREPARATION

All cable specifications available with any combination of:

- Plain-ends
- (Inner &) Outer-Sheath removed from tail(s)
- Various Ferruling, tinning, crimping and assembly services available on request

## 6 & 7-Core Power Cables



Part Number*	No. of Cores x CSA (mm <sup>2</sup> )	Core Colours*	Core Ins Material	Inner Sh. Material	Sheath Material	Cable dia (mm)	Coil dia approx (mm)
WFD460754 Black	6 x 0.75	Brown, Black, Green/Yellow, Grey, Blue, White	PVC	-	TPE	11.00	38
WFD461004 Black	6 x 1.00	Brown, Black, Green/Yellow, Grey, Blue, White	PVC	-	TPE	11.50	42
WFD461504 Black	6 x 1.50	Brown, Black, Green/Yellow, Grey, Blue, White	PVC	-	TPE	13.50	52
WFD462504 Black	6 x 2.50	Brown, Black, Green/Yellow, Grey, Blue, White	PVC	-	TPE	15.00	55
WFD470505 Black	7 x 0.50	Brown, Black, Green/Yellow, Grey, Blue, White, Green	PVC	-	PVC	8.00	27
WFD470506 Black	7 x 0.50	Brown, Black, Green/Yellow, Grey, Blue, White, Green	PVC	-	TPU	8.00	27
WFD470754 Black	7 x 0.75	Brown, Black, Green/Yellow, Grey, Blue, White, Green	PVC	-	TPE	11.00	38
WFD470756 Black	7 x 0.75	Brown, Black, Green/Yellow, Grey, Blue, White, Green	PVC	-	TPU	10.00	36
WFD471504 Black	7 x 1.50	Brown, Black, Green/Yellow, Grey, Blue, White, Green	PVC	-	TPE	13.50	52
WFD471506 Black	7 x 1.50	Brown, Black, Green/Yellow, Grey, Blue, White, Green	PVC	-	TPU	12.90	51
WFD472506 Black	7 x 2.50	Brown, Black, Green/Yellow, Grey, Blue, White, Green	PVC	-	TPU	15.00	55

**All Cable and Cores are available in straight lengths to bespoke sizes on request**

### CORES & CABLE

- Conductor sizes available as standard (for 6 & 7 Core power cables): (CSA) 0.50mm<sup>2</sup>, 0.75mm<sup>2</sup>, 1.00mm<sup>2</sup>, 1.50mm<sup>2</sup>, 2.50mm<sup>2</sup>
- Core colours as specified against each part in the above table. Other colours are available on request\*.
- Available with PVC, TPU or TPE outer-sheath; Black as standard (except where specified), other colours available on request\*.

### RETRACTABLE COILS

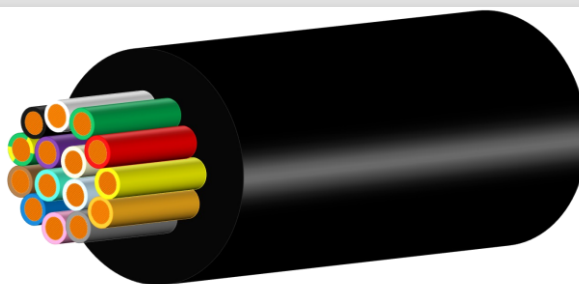
- All specifications are available as coiled retractable cables;
- Closed-coil lengths available from 100mm to 2500mm; supplied with 150mm tails as standard (any length available on request\*)
- Extension ratios (closed coil to max. extension) typically = PVC 1-4 / TPE: 1-4 / TPU: 1-6

### PLUGS & END-PREPARATION

All cable specifications available with any combination of:

- Plain-ends
- (Inner &) Outer-Sheath removed from tail(s)
- Various Ferruling, tinning, crimping and assembly services available on request

## 8 to 15-Core Power Cables



Part Number*	No. of Cores x CSA (mm <sup>2</sup> )	Core Colours*	Core Ins Material	Inner Sh. Material	Sheath Material	Cable dia (mm)	Coil dia approx (mm)
WFD480754 Black	8 x 0.75	Brown, Black, Green/Yellow, Grey, Blue, White, Green, Red	PVC	-	TPE	12.00	43
WFD481004 Black	8 x 1.00	Brown, Black, Green/Yellow, Grey, Blue, White, Green, Red	PVC	-	TPE	12.50	47
WFD481504 Black	8 x 1.50	Brown, Black, Green/Yellow, Grey, Blue, White, Green, Red	PVC	-	TPE	14.50	54
WFD491506 Black	9 x 1.50	Brown, Black, Green/Yellow, Grey, Blue, White, Green, Red, Yellow	PVC	-	TPU	14.50	54
WFD4100754 Black	10 x 0.75	Brown, Black, Green/Yellow, Grey, Blue, White, Green, Red, Yellow, Orange	PVC	-	TPE	14.00	53
WFD481104 Black	9 x 1.00, 1 x 2.00	1.00mm <sup>2</sup> : Yellow, Red, Green, Blue, Brown, Black, Grey, Pink, Orange; 2.00mm <sup>2</sup> : White	TPE	-	TPE	14.50	48
WFD4120506 Black	12 x 0.50	Brown, Black, Green/Yellow, Grey, Blue, White, Green, Red, Yellow, Orange, Pink, Turquoise	PVC	-	TPU	12.50	50
WFD481124 Black	2 x 2.00, 10 x 1.00	1.00mm <sup>2</sup> : Yellow, Red, Green, Blue, Brown, Black, Grey, Pink, Orange, Turquoise; 2.00mm <sup>2</sup> : White, Light Blue	TPE	-	TPE	15.50	60
WFD4150754 Black	15 x 0.75	Brown, Black, Green/Yellow, Grey, Blue, White, Green, Red, Yellow, Orange, Pink, Turquoise, Violet, Cream, Light Blue	PVC	-	TPE	15.50	56
WFD4150756 Black	15 x 0.75	Brown, Black, Green/Yellow, Grey, Blue, White, Green, Red, Yellow, Orange, Pink, Turquoise, Violet, Cream, Light Blue	PVC	-	TPU	15.00	55

**All Cable and Cores are available in straight lengths to bespoke sizes on request**

### CORES & CABLE

- Conductor sizes available as standard (for 8 to 15 Core power cables): (CSA) 0.50mm<sup>2</sup>, 0.75mm<sup>2</sup>, 1.00mm<sup>2</sup>, 1.50mm<sup>2</sup>, 2.00mm<sup>2</sup>
- Core colours as specified against each part in the above table. Other colours are available on request\*.
- Available with PVC, TPU or TPE outer-sheath; Black as standard (except where specified), other colours available on request\*.

### RETRACTABLE COILS

- All specifications are available as coiled retractable cables;
- Closed-coil lengths available from 100mm to 2500mm; supplied with 150mm tails as standard (any length available on request\*)
- Extension ratios (closed coil to max. extension) typically = PVC 1-4 / TPE: 1-4 / TPU: 1-6

### PLUGS & END-PREPARATION

All cable specifications available with any combination of:

- Plain-ends
- (Inner &) Outer-Sheath removed from tail(s)
- Various Ferruling, tinning, crimping and assembly services available on request

## Low-Voltage Power Cables



Part Number*	No. of Cores x CSA (mm <sup>2</sup> )	Core Colours*	Core Ins Material	Inner Sh. Material	Sheath Material	Cable dia (mm)	Coil dia approx (mm)
WFD420516 Black	2 x 0.50	Red, Black	PVC	-	TPU	4.75	17
WFD422766 Orange	2 x 0.75	Red, Black	TPE	-	TPU	6.30	22
WFD420746 Black	2 x 0.75	Red, Black	PVC	-	TPU	5.00	20
WFD420766 Black	2 x 0.75	Red, Black	PVC	-	TPU	5.50	21
WFD421016 Black	2 x 1.00	Red, Black	PVC	-	TPU	6.00	23
WFD4602 Black	2 x 1.50	Red, Black	PVC	-	TPU	7.00	27
WFD430766 Black	3 x 0.75	Red, Black, Green	PVC	-	TPU	5.75	21
WFD431016 Black	3 x 1.00	Red, Black, Green	PVC	-	TPU	6.35	24
WFD4603 Black	3 x 1.50	Red, Black, Green	PVC	-	TPU	8.00	32
WFD440766 Black	4 x 0.75	Brown, Black, Blue, Yellow	PVC	-	TPU	6.50	24
WFD4604 Black	4 x 1.50	Brown, Black, Red, Green	PVC	-	TPU	9.00	34
WFD450766 Black	5 x 0.75	Brown, Black, Blue, Yellow, Green	PVC	-	TPU	7.00	25
WFD450516 Black	5 x 0.50	Brown, Black, Blue, Yellow, Green	PVC	-	TPU	6.25	22
WFD4605 Black	5 x 1.50	Brown, Black, Blue, Red, White	PVC	-	TPU	9.25	34
WFD460516 Black	6 x 0.50	Yellow, Red, Green, Blue, Black, White	PVC	-	TPU	6.65	26
WFD470766 Black	7 x 0.75	Yellow, Red, Green, Blue, White, Brown, Black	PVC	-	TPU	8.00	29
WFD480766 Black	8 x 0.75	Yellow, Red, Green, Blue, White, Brown, Black, Grey	PVC	-	TPU	8.50	30
WFD481766 Black	7 x 0.75, 1 x 1.50	Yellow, Red, Green, Blue, Brown, Black, Pink & 1 x White (1.50mm <sup>2</sup> )	PVC	-	TPU	9.00	31
WFD4100766 Black	10 x 0.75	Yellow, Red, Green, Blue, White, Brown, Black, Grey, Pink, Orange	PVC	-	TPU	9.50	35

### CORES & CABLE

- Cores Manufactured to ISO 6722-1 Thin-Wall specification
- Core & Cable colours as specified above; other colours available on request\*.

### RETRACTABLE COILS

- All specifications are available as coiled retractable cables;
- Standard working lengths 3.0m, 3.5m, 4.0m and 4.5m; Closed coil lengths up to 2.5m / working lengths up to 15m
- Standard tail lengths are 300mm; other working and tail lengths are available on request.

### PLUGS & END-PREPARATION

Specialist Low-Voltage Coils available with:

- Plain-ends
- Outer-Sheath (and inner-sheath where present) removed from tail(s)
- Various ferruling, tinning, crimping, moulding and assembly services available on request

## Automotive / Commercial Vehicles: 7-Core Cables

7-Pole 24V & 12V Cables/Coils to ISO:1185 (24 N) / ISO:3731 (24 S) / ISO:1724 (12 N) / ISO:3732 (12 S)



Part Number*	No. of Cores x CSA (mm <sup>2</sup> )	Core Colours*	Core Ins Material	Inner Sh. Material	Sheath Material	Cable dia (mm)	Coil dia approx (mm)
WFD870766 Black	7 x 0.75	Yellow, Red, Green, Blue, Brown, Black, White	PVC	-	TPU	8.00	29
WFD3637 Black	6 x 0.75, 1 x 1.50	Yellow, Red, Green, Blue, Brown, Black & 1 x White (1.50mm <sup>2</sup> )	PVC	-	TPU	9.25	33
WFD8617 Black	6 x 1.00, 1 x 2.00	Yellow, Red, Green, Blue, Brown, Black & 1 x White (1.50mm <sup>2</sup> )	PVC	-	TPU	9.50	37
WFD8607 Black	6 x 1.00, 1 x 2.00	Yellow, Red, Green, Blue, Brown, Black & 1 x White (1.50mm <sup>2</sup> )	PVC	-	TPU	11.00	47
WFD8507 Grey	6 x 1.00, 1 x 2.00	Yellow, Red, Green, Blue, Brown, Black & 1 x White (1.50mm <sup>2</sup> )	PVC	-	TPE	13.00	45
WFD8107 Black	6 x 1.00, 1 x 2.00	Yellow, Red, Green, Blue, Brown, Black & 1 x White (1.50mm <sup>2</sup> )	TPE	-	TPE	13.50	47
WFD8717 Black	6 x 1.00, 1 x 2.00	Yellow, Red, Green, Blue, Brown, Black & 1 x White (1.50mm <sup>2</sup> )	PVC	-	TPC-ET	9.00	67
WFD8707 Black	6 x 1.00, 1 x 2.00	Yellow, Red, Green, Blue, Brown, Black & 1 x White (1.50mm <sup>2</sup> )	TPE	-	TPC-ET	11.00	80
WFD4607 Black	7 x 1.50	Yellow, Red, Green, Blue, Brown, Black, White	PVC	-	TPU	9.50	35
WFD6647 Black	6 x 1.50, 1 x 2.50	Yellow, Red, Green, Blue, Brown, Black & 1 x White (2.50mm <sup>2</sup> )	PVC	-	TPU	10.60	40
WFD6707 Black	6 x 1.50, 1 x 2.50	Yellow, Red, Green, Blue, Brown, Black & 1 x White (2.50mm <sup>2</sup> )	PVC	-	TPC-ET	11.50	108

**All Cable and Cores are available in straight lengths to bespoke sizes on request**

### CORES & CABLE

- Cores manufactured to ISO 6722-1; and in accordance with ISO 4141-3
- Core colours\* to ISO 1185 (24 N), ISO 3731 (24 S), ISO 1724 (12 N), ISO 3732 (12 S) & ISO 4141-3 compliant.
- Available with PVC, TPU, TPE OR TPC-ET outer-sheath;
- Supplied in Black\* as standard (except where otherwise specified), other colours available on request\*.

### RETRACTABLE COILS

- All specifications are available as coiled retractable cables;
- Standard working lengths are 3.0m, 3.5m, 4.0m & 4.5m; any working length up to 12m available on request;
- Tail lengths are 200-300mm dependent on cable specification and requirements; bespoke working and tail lengths are available on request.

### PLUGS & END-PREPARATION (See page 11)

All specifications available with any combination of:

- Plain-ends
- Outer-Sheath (and inner-sheath where present) removed from tail(s)
- 24V N (Normal) [ISO 1185] Black\*, moulded plug(s); *custom colours available*
- 24V S (Supplementary) [ISO 3731] White\*, moulded plug(s); *custom colours available*
- 12V N (Normal) [ISO 1724] Black\*, moulded plug(s); *custom colours available*
- 12V S (Supplementary) [ISO 3732] White\*, moulded plug(s); *custom colours available*
- Various ferruling, tinning, crimping and assembly services available on request





## Automotive / Commercial Vehicles: 7-Core Plugs/Sockets



7-Pole 24V & 12V Plugs & Sockets to ISO:1185 (24 N) / ISO:3731 (24 S) / ISO:1724 (12 N) / ISO:3732 (12 S)

- Water-proof, highly durable moulded plugs to suit Commercial Vehicles, Trailers and Caravans as appropriate;
- Moulded plug-customisation available to suit individual requirements: Wiring\* / Plug-Colour\* / Branding: Company Logo/Name\*\*
- Cores to ISO 6722-1; ISO 1185 (24 N), ISO 3731 (24 S), ISO 1724 (12 N), ISO 3732 (12 S) & ISO 4141-3 compliant; Moulded
- plugs (24N, 24S, 12N & 12S) compatible with all Westfield Automotive/Commercial Vehicle 7-Core cables/coils (page 10)


### 24N - [ISO 1185] Black Moulded Plug (24V) / 3-0002 - [ISO 1185] Socket (24V)

24N		Compatible with all 7-Core Cable(s) listed on page 10			3-0002
		1	White	Common return/Earth	
		2	Black	LHS rear position light(s), LHS markers & rear license plate lighting	
		3	Yellow	LHS direction indicator light	
		4	Red	Stop lights	
		5	Green	RHS direction indicator light	
		6	Blue	RHS rear position light(s), RHS markers & rear license plate lighting	
		7	Brown	Braking control for trailers	

### 24S - [ISO 3731] White Moulded Plug (24V) / 3-0006 - [ISO 3731] Socket (24V)

24S		Compatible with all 7-Core Cable(s) listed on page 10			3-0006
		1	White	Common Return	
		2	Black	Not assigned	
		3	Yellow	Reversing light	
		4	Red	Permanent power supply	
		5	Green	Sensing device with common return	
		6	Blue	Power supply (controlled by ignition switch)	
		7	Brown	Rear fog light	

### 12N - [ISO 1724] Black Moulded Plug (12V)

12N		Compatible with all 7-Core Cable(s) listed on page 10			
		1	Yellow	LHS direction indicator light	
		2	Blue	Rear fog light	
		3	White	Common Return	
		4	Green	RHS direction indicator light	
		5	Red	RHS rear position light(s), RHS markers & rear license plate lighting	
		6	Brown	Stop lights	
		7	Black	LHS rear position light(s), LHS markers & rear license plate lighting	


Cores manufactured to ISO 6722-1; and in accordance with ISO 4141-3

Core colours\* to ISO 1185 (24 N), ISO 3731 (24 S), ISO 1724 (12 N), ISO 3732 (12 S) & ISO 4141-3 compliant.

Available with PVC, TPU, TPE OR TPC-ET outer-sheath;

Supplied in Black\* as standard (except where otherwise specified), other colours available on request\*.

### 12S - [ISO 3732] White Moulded Plug (12V)

12S		Compatible with all 7-Core Cable(s) listed on page 10			
		1	Yellow	Reversing light	
		2	Blue	Not assigned	
		3	White	Return for contact 4	
		4	Green	Permanent power supply	
		5	Red	Not assigned	
		6	Brown	Power supply (controlled by ignition switch)	
		7	Black	Return for contact 6	

## Automotive / Commercial Vehicles: ABS (5 Core) & EBS (7 Core) Cables

EBS & ABS Cables/Coils to ISO:7638-1 (24V) / ISO:7638-2 (12V)



EBS 7-POLE ISO 7638-1/2								
Part Number*	No. of Cores x CSA (mm²)	Core Colours*	Core Ins Material	Inner Sh. Material	Sheath Material	Cable dia (mm)	Coil dia approx (mm)	
WFD38007 Black	5 x 1.50, 2 x 4.00	1.50mm²: White, Black, Yellow, (White/Green, White/Brown) 4.00mm²: Red, Brown	PVC	TPE	TPU	13.80	54	
WFD38107 Black	5 x 1.50, 2 x 4.00	1.50mm²: White, Black, Yellow, (White/Green, White/Brown) 4.00mm²: Red, Brown	PVC	-	TPU	12.70	45	
WFD37207 Black	5 x 1.50, 2 x 4.00	1.50mm²: White, Black, Yellow, (White/Green, White/Brown) 4.00mm²: Red, Brown	PVC	-	TPC-ET	12.50	97	
WFD37007 Black	5 x 1.50, 2 x 4.00	1.50mm²: White, Black, Yellow, (White/Green, White/Brown) 4.00mm²: Red, Brown	PVC	TPE	TPC-ET	14.00	101	
WFD37707 Black	5 x 1.50, 2 x 4.00	1.50mm²: White, Black, Yellow, (White/Green, White/Brown) 4.00mm²: Red, Brown	PVC	TPE	TPC-ET	13.50	58	
WFD36007 Black	5 x 1.00, 2 x 2.50	1.50mm²: White, Black, Yellow, (White/Green, White/Brown) 4.00mm²: Red, Brown	PVC	-	TPU	11.50	42	
WFD38407 Black	5 x 1.50, 2 x 6.00	1.50mm²: White, Black, Yellow, (White/Green, White/Brown) 4.00mm²: Red, Brown	PVC	TPE	TPU	14.70	54	
WFD66007 Black	5 x 1.50, 2 x 2.50	1.50mm²: White, Black, Yellow, White/Green, White/Brown; 2.50mm²: Red, Brown	PVC	-	TPU	11	41	

ABS 5-POLE ISO 7638-1/2								
Part Number*	No. of Cores x CSA (mm²)	Core Colours*	Core Ins Material	Inner Sh. Material	Sheath Material	Cable dia (mm)	Coil dia approx (mm)	
WFD37305 Black	2 x 4.00, 3 x 1.50	4.00mm²: Red, Brown; 1.50mm²: White, Black, Yellow	PVC	-	TPC-ET	11.50	78	
WFD38305 Black	2 x 4.00, 3 x 1.50	4.00mm²: Red, Brown; 1.50mm²: Yellow, Black, White	PVC	TPE	TPU	13.00	51	
WFD37705 Black	2 x 4.00, 3 x 1.50	4.00mm²: Red, Brown; 1.50mm²: Yellow, Black, White	PVC	TPE	TPC-ET	13.00	57	
WFD39305 Black	2 x 4.00, 3 x 1.50	4.00mm²: Red, Brown; 1.50mm²: White, Black, Yellow	PVC	-	TPU	10.50	40	
WFD37105 Black	2 x 6.00, 3 x 1.50	6.00mm²: Red, Brown; 1.50mm²: White, Black, Yellow	PVC	-	TPC-ET	12.00	96	
WFD38505 Black	2 x 6.00, 3 x 1.50	6.00mm²: Red, Brown; 1.50mm²: White, Black, Yellow	PVC	-	PVC	10.50	40	

### CORES & CABLE

- Cores manufactured to ISO 6722-1; and in accordance with ISO 4141-3
- Core colours to ISO 7638-1 (24V)\* / ISO 7638-2 (12V)\*
- Available with PVC, TPU, TPE or TPC-ET outer-sheath;
- Supplied in Black as standard, other colours available on request\*.

### RETRACTABLE COILS

- All specifications are available as coiled retractable cables;
- Standard working lengths are 3.0m, 3.5m, 4.0m & 4.5m;
- Standard tail lengths are 300mm; other working and tail lengths are available on request.

### PLUGS & END-PREPARATION (See page 13)

All specifications available with any combination of:



- Plain-ends
- Outer-Sheath (and inner-sheath where present) removed from tail(s)
- 24V [ISO 7638-1] Black fitted plug(s) - EBS 7-Pole or ABS 5-Pole as per cable construction
- 24V [ISO 7638-1] Black fitted socket(s) - EBS 7-Pole or ABS 5-Pole as per cable construction
- 12V [ISO 7638-2] Black fitted plug(s) - EBS 7-Pole or ABS 5-Pole as per cable construction
- 12V [ISO 7638-2] Black fitted socket(s) - EBS 7-Pole or ABS 5-Pole as per cable construction
- Various ferruling, tinning, crimping and assembly services available on request

## Automotive / Commercial Vehicles: ABS (5 Core) & EBS (7 Core) Plugs/Sockets



EBS & ABS Plugs & Sockets to ISO:7638-1 (24V) / ISO:7638-2 (12V)

- Water-resistant, highly durable fitted plugs for ABS & EBS 24 Volt & 12 Volt applications;
- Cores to ISO 6722-1; ISO 7638-1 (24V), ISO 7638-2 (12V) & ISO 4141-3 compliant;
- Fitted EBS & ABS plugs compatible with Westfield Automotive/Commercial Vehicle ABS/EBS cables/coils (Page 12)



### EBS 24V [ISO 7638-1] - (7-Pole) fitted Plug(s) / Socket(s)

3003EP13SR		Compatible with all 7-Core Cable(s) listed on page 12			3007S24V
		1	Red + Electrovalve		
		2	Black + Electronics		
		3	Yellow - Electronics		
		4	Brown - Electrovalve		
		5	White Warning device		
		6	White/Green CAN_H		
		7	White/Brown CAN_L		

### EBS 12V [ISO 7638-2] - (7-Pole) fitted Plug(s) / Socket(s)

3007 P12V		Compatible with all 7-Core Cable(s) listed on page 12			3007S12V
		1	Red + Electrovalve		
		2	Black + Electronics		
		3	Yellow - Electronics		
		4	Brown - Electrovalve		
		5	White Warning device		
		6	White/Green CAN_H		
		7	White/Brown CAN_L		

### ABS 24V [ISO 7638-1] - (5-Pole) fitted Plug(s) / Socket(s)

3000P13SR		Compatible with all 7-Core Cable(s) listed on page 12			3001S13
		1	Red + Electrovalve		
		2	Black + Electronics		
		3	Yellow - Electronics		
		4	Brown - Electrovalve		
		5	White Warning device		

### EBS / ABS 24V [ISO 7638-1] - Parking Socket(s)

	<b>EBS / ABS 24V [ISO 7638-1] - Parking Socket(s)</b>	
	Compatible with 24V ISO 7638-1 & ISO 12098 Plugs/Cable(s)	
	<p>Parking Socket compatible with:</p> <ul style="list-style-type: none"><li>• 24 V - ISO 7638-1 (Above) &amp;</li><li>• ISO 12098 plugs (Page 15)</li></ul>	

3002 PS

## Automotive / Commercial Vehicles: 15-Core & Adaptor Cables

15-Pole Cables/Coils & 2x 7-Pole (ISO 1185 & ISO 3731) to 15-Pole (ISO 12098) Adaptor-Cables/Coils



15 CORE CABLES (ISO 12098)								
Part Number*	No. of Cores x CSA (mm <sup>2</sup> )	Core Colours*	Core Ins Material	Inner Sh. Material	Sheath Material	Cable dia (mm)	Coil dia approx (mm)	
WFD6615 Black	12 x 1.50, 3 x 2.50	1.50mm <sup>2</sup> : Yellow, Red, Green, Blue, Brown, Black, Grey, Pink, White/Black, White/Blue, (White/Green, White/Brown) 2.50mm <sup>2</sup> : White, Orange, White/Red	PVC	-	TPU	15.50	56	
WFD6715 Black	12 x 1.50, 3 x 2.50	1.50mm <sup>2</sup> : Yellow, Red, Green, Blue, Brown, Black, Grey, Pink, White/Black, White/Blue, (White/Green, White/Brown) 2.50mm <sup>2</sup> : White, Orange, White/Red	PVC	-	TPC-ET	15.00	103	
WFD6815 Black	12 x 1.50, 3 x 2.50	1.50mm <sup>2</sup> : Yellow, Red, Green, Blue, Brown, Black, Grey, Pink, White/Black, White/Blue, (White/Green, White/Brown) 2.50mm <sup>2</sup> : White, Orange, White/Red	PVC	TPE	TPU	16.50	58	
WFD8615 Black	12 x 1.00, 3 x 2.00	1.50mm <sup>2</sup> : Yellow, Red, Green, Blue, Brown, Black, Grey, Pink, White/Black, White/Blue, (White/Green, White/Brown) 2.50mm <sup>2</sup> : White, Orange, White/Red	PVC	-	TPU	14.00	53	

15 CORE ADAPTOR CABLES (ISO 12098)								
Part Number*	No. of Cores x CSA (mm <sup>2</sup> )	Core Colours*	Core Ins Material	Inner Sh. Material	Sheath Material	Cable dia (mm)	Coil dia approx (mm)	
WFD86178#/10	(2x) 6 x 1.00, 1 x 2.00	Yellow, Red, Green, Blue, Brown, Black & 1 x White (2.00mm <sup>2</sup> )	PVC	-	TPU	9.50	2x 37	
WFD36378#/10	(2x) 6 x 0.75, 1 x 1.50	Yellow, Red, Green, Blue, Brown, Black & 1 x White (2.00mm <sup>2</sup> )	PVC	-	TPU	9.25	2x 33	
WFD86078#/10	(2x) 6 x 1.00, 1 x 2.00	Yellow, Red, Green, Blue, Brown, Black & 1 x White (2.00mm <sup>2</sup> )	PVC	-	TPU	11.00	2x 47	

All Cable and Cores are available in straight lengths to bespoke sizes on request

### CORES & CABLE

- Cores manufactured to ISO 6722-1; and in accordance with ISO 4141-3 / ISO 12098
- Core colours to ISO 12098: (Table 1) / Type A Adaptor (Fig A.2) / Type B Adaptor (Fig A.3) / or to suit requirements
- Available with PVC, TPU, TPE or TPC-ET outer-sheath;
- Supplied in Black as standard, other colours available on request\*.

### RETRACTABLE COILS

- All specifications are available as coiled retractable cables;
- Standard working lengths (#) are 3.0m, 3.5m, 4.0m & 4.5m;
- Standard tail lengths are 300mm; other working and tail lengths are available on request.

### PLUGS & END-PREPARATION (See page 17)

All specifications can be supplied with:

- 15-Pole Plug(s) - (page 15)

Plus, for adaptor coils, either:

- 1x 24N (ISO 1185) Black Moulded Plug + 24S (ISO 3731) White Moulded Plug - (page 15)

or

- Other plugs, sockets or ferrules to suit individual requirements

- **NOTE:** Adaptor wiring supplied to ISO 12098 **Type A** as standard; available with **Type B** or custom wiring on request

## Automotive / Commercial Vehicles: 15-Core & Adaptor - Plugs & Sockets

### 15-Pole Plugs & Sockets (ISO 12098) & Plugs & Sockets for ISO 12098 Adaptor-Cables/Coils (Type A & B)

#### 15-Pole Plugs & Sockets (for 15-Pole Cables/Coils (page 16))

- Water-resistant, highly durable fitted plugs/sockets for 15-Pole applications;
- Cores to ISO 6722-1; ISO 12098 & ISO 4141-3 compliant;
- Fitted 15-Pole plugs/sockets compatible with all Westfield Commercial Vehicle 15 Core Cables/Coils

#### 3015PSR

#### 15-Pole [ISO12098] 24v fitted Plug / Socket

#### 3015S



1	Yellow	Left-hand direction indicator light
2	Green	Right-hand direction indicator light
3	Blue	Fog Light (Rear)
4	White	Common return/Earth (for positions 1-3 & 5-12)
5	Black	Left-hand rear position light(s), left-hand marker lights & rear registration plate lighting
6	Brown	Right-hand rear position light(s), right-hand marker lights & rear registration plate lighting
7	Red	Stop lights
8	Pink	Reversing Light(s)
9	Orange	Permanent Power Supply
10	Grey	Reverse lock-release for inertia brake and locking of steering axle
11	White/Black	Starting-traction control system
12	White/Blue	Axle lifting device
13	White/Red	Common return/Earth
14	White/Green	CAN_H
15	White/Brown	CAN_L



#### Plugs for 15-Pole Adaptor Cables/Coils (page 14) Wiring can

- be customised to suit individual bespoke requirements;
- Plugs and sockets available to suit;
- 1x Water-resistant, highly durable fitted 15-Pole (ISO 12098) Plug;
- 1x Water-proof black moulded 7-Pole 24N plug (ISO 1185) and;
- 1x Water-proof white moulded 7-Pole 24S plug (ISO 3731);
- Cores to ISO 6722-1; ISO 12098 & ISO 4141-3 compliant;
- Compatible with the following Westfield Commercial Vehicle 7 Core Cables/Coils: 3637, 8617 & 8607; (see page 14)

#### 3015PA / 24N / 24S - 15-Pole 24v [ISO12098] Adaptor fitted-plug / 24N Black + 24S White moulded plugs

3015PA

Type "A" Wiring			
Common return/Earth (for positions 1-3 & 5-12	4	1 White (24N)	Common return/Earth
Number plate & LHS rear position & marker light(s)	5	2 Black (24N)	Number plate & LHS rear position & marker light(s)
LHS direction indicator light	1	3 Yellow (24N)	LHS direction indicator light
Stop lights	7	4 Red (24N)	Stop lights
RHS direction indicator light	2	5 Green (24N)	RHS direction indicator light
Number plate & RHS rear position & marker light(s)	6	6 Brown (24N)	Number plate & RHS rear position & marker light(s)
No connection	10	7 Blue (24N)	Braking control for trailers
No connection	11		
Common return/Earth (for positions 1-3 & 5-12	4	1 White (24S)	Common Return
No connection	12	2 Black (24S)	Not assigned
Reversing Light(s)	8	3 Yellow (24S)	Reversing light
Permanent Power Supply	9	4 Red (24S)	Permanent power supply
No connection	13	5 Green (24S)	Sensing device with common return
Permanent Power Supply	9	6 Brown (24S)	Power supply (controlled by ignition switch)
Fog Light (Rear)	3	7 Blue (24S)	Rear fog light
No connection	14		
No connection	15		

24N

24S

24N

Common return/Earth	White (24N)	1	4 Common return/Earth (for positions 1-3 & 5-12
Number plate & LHS rear position & marker light(s)	Black (24N)	2	5 Number plate & LHS rear position & marker light(s)
LHS direction indicator light	Yellow (24N)	3	1 LHS direction indicator light
Stop lights	Red (24N)	4	7 Stop lights
RHS direction indicator light	Green (24N)	5	2 RHS direction indicator light
Number plate & RHS rear position & marker light(s)	Brown (24N)	6	6 Number plate & RHS rear position & marker light(s)
Braking control for trailers	Blue (24N)	7	10 No connection
			11 No connection

3015PA

24S

Common Return	White (24S)	1	4 Common return/Earth (for positions 1-3 & 5-12
Not assigned	Black (24S)	2	12 No connection
Reversing light	Yellow (24S)	3	8 Reversing Light(s)
Permanent power supply	Red (24S)	4	9 Permanent Power Supply
Sensing device with common return	Green (24S)	5	13 No connection
Power supply (controlled by ignition switch)	Brown (24S)	6	14 No connection
Rear fog light	Blue (24S)	7	3 Fog Light (Rear)
			15 No connection



## Automotive / Commercial Vehicles: Trailer Battery Charging Cables

Heavy Duty Cables (including ISO 25981) designed for charging trailer batteries, forklifts, tailgates and refrigerated trailers etc.



Part Number*	No. of Cores x CSA (mm <sup>2</sup> )	Core Colours*	Core Ins Material	Inner Sh. Material	Sheath Material	Cable dia (mm)	Coil dia approx (mm)
WFD3102 Grey	2 x 6.00	Red, Black	TPE	-	TPE	14.50	48
WFD3103 Black	3 x 6.00	Red, Black, Green	TPE	-	TPE	16.50	58
WFD3104 Black	4 x 6.00	Red, Red, Black, Black	TPE	-	TPE	17.50	68
WFD3602 Black	2 x 6.00	Red, Black	TPE	-	TPU	14.00	53
WFD3603 Black	3 x 6.00	Red, Black, Green	TPE	-	TPU	15.50	56
WFD3634 Black	4 x 6.00, 3 x 1.00	6.00mm <sup>2</sup> : Red, Brown, White/Brown, White/Red, 1.00mm <sup>2</sup> : Yellow, Blue, Brown	PVC	—	TPU	15	55
WFD81250 Red	1 x 25.00	Natural	TPE	-	TPU	13.00	49
WFD81250 Black	1 x 25.00	Natural	TPE	-	TPU	13.00	49
WFD82250 Red/Black	(2x) 1 x 25.00	Natural	TPE	—	TPU	2x13.00	49
WFD81350 Red	1 x 35.00	Natural	TPE	-	TPU	13.50	56
WFD81350 Black	1 x 35.00	Natural	TPE	-	TPU	13.50	56
WFD82350 Red/Black	(2x) 1 x 35.00	Natural	TPE	-	TPU	2x 13.50	56
WFD81500 Red	1 x 50.00	Natural	TPE	—	TPU	16.50	68
WFD81500 Black	1 x 50.00	Natural	TPE	—	TPU	16.50	68
WFD82500 Red/Black	(2x) 1 x 50.00	Natural	TPE	—	TPU	16.50	68

### CORES & CABLE

- Cores and Cable as specified above
- 3634 Black coils manufactured to ISO 25981 (12V & 24V Electronically Monitored Charging Systems)

### RETRACTABLE COILS

- All specifications are available as coiled retractable cables;
- Standard working lengths are 3.0m, 3.5m, 4.0m & 4.5m;
- Standard tail lengths are 300mm; other working and tail lengths are available on request.

### PLUGS & END-PREPARATION (See page 17)

Trailer Battery Charging Coils available with:

- Plain-ends
- Outer-Sheath (and inner-sheath where present) removed from tail(s)
- Moulded Plugs available as follows:
  - Moulded Red Plug(s) with single Female-Pin, available on 81250 Red and 81350 Red coils/cable
  - Moulded Black Plug(s) with single Male-Pin, on 81250 Black and 81350 Black coils/cable
  - 2-Pin Black Moulded Plug, available on 3102 and 3602 coils/cable
  - 3-Pin Black Moulded Plug, available on 3103 and 3603 coils/cable
  - 2-Pole Battery Charging Plug, available on 3104 coils/cable
- Fitted ISO 25981 Plugs available for 3634 coils/cable
- Fitted Military 2-Pole Plugs available for 82350 coils/cable





## Automotive / Commercial Vehicles: Trailer Battery Charging Plugs/Sockets

- Water-resistant, highly durable fitted/moulded plugs for charging systems applications;
- Moulded plug-customisation available to suit individual requirements: Wiring\* / Plug-Colour\* / Branding: Company Logo/Name\*\*
- ISO 25981 Grey Plugs and Sockets ISO 4141-3 & ISO 25981 compliant;
- ISO 25981 fitted plugs/sockets compatible with Westfield ISO 25981 compliant cables/coils (page 16)



### [ISO 25981] 7-Pole FITTED Grey Plug / Socket (12V/24V)

Compatible with 3634 Cable(s) - (page 16)

3007PBCS		<div data-bbox="729 396 959 403">Compatible with 3634 Cable(s) - (page 16)</div> <table><tr><td>1</td><td>Red</td><td>Plus charging current; switched-on electronically</td></tr><tr><td>2</td><td>White/Red</td><td>Plus charging current; switched-on electronically</td></tr><tr><td>3</td><td>Brown</td><td>Minus Charging current</td></tr><tr><td>4</td><td>White/Brown</td><td>Minus Charging current</td></tr><tr><td>5</td><td>Blue</td><td>Switched on minus if platform is closed</td></tr><tr><td>6</td><td>Brown</td><td>Switched on minus if platform is opened</td></tr><tr><td>7</td><td>Yellow</td><td>Switched on minus for feedback signal if tailgate is opened</td></tr></table>	1	Red	Plus charging current; switched-on electronically	2	White/Red	Plus charging current; switched-on electronically	3	Brown	Minus Charging current	4	White/Brown	Minus Charging current	5	Blue	Switched on minus if platform is closed	6	Brown	Switched on minus if platform is opened	7	Yellow	Switched on minus for feedback signal if tailgate is opened	 <div data-bbox="1450 396 1469 403">3007SBCS</div>
1	Red	Plus charging current; switched-on electronically																						
2	White/Red	Plus charging current; switched-on electronically																						
3	Brown	Minus Charging current																						
4	White/Brown	Minus Charging current																						
5	Blue	Switched on minus if platform is closed																						
6	Brown	Switched on minus if platform is opened																						
7	Yellow	Switched on minus for feedback signal if tailgate is opened																						



### 2-Pin MOULDED Plug and compatible 3-Pin SOCKET

Compatible with 3102 & 3602 Cable(s) - (page 16)

2 Pin		Compatible with 3102 & 3602 Cable(s) - (page 16)			CT 6870
		<div><div>+ Red</div><div>- Black</div></div> <div><div>Positive</div><div>Negative</div></div>			



### 3-Pin MOULDED Plug and 3-Pin SOCKET

Compatible with 3103 & 3603 Cable(s) - (page 16)

<div data-bbox="212 1059 237 1081">3 Pin</div> <div data-bbox="269 974 509 1167"></div>	<div data-bbox="699 956 976 963">Compatible with 3103 &amp; 3603 Cable(s) - (page 16)</div> <div data-bbox="635 987 850 1059"><table><tr><td>+</td><td>Red</td><td>Positive</td></tr><tr><td>-</td><td>Black</td><td>Negative</td></tr><tr><td>⊥</td><td>Green</td><td>Ground / Earth</td></tr></table></div>	+	Red	Positive	-	Black	Negative	⊥	Green	Ground / Earth	<div data-bbox="1179 963 1407 1178"></div> <div data-bbox="1444 1046 1469 1095">CT 6870</div>
+	Red	Positive									
-	Black	Negative									
⊥	Green	Ground / Earth									



### Single-Pin MOULDED BLACK Plug and Single-Pin SOCKET

Compatible with 81250 & 81350 Cable(s) - (page 16)

35MMBLK		Compatible with 81250 & 81350 Cable(s) - (page 16)			CT6880
	- Black	Return			


### Single-Pin MOULDED RED Plug and Single-Pin SOCKET

Compatible with 81250 & 81350 Cable(s) - (page 16)

35MMRED		Compatible with 81250 & 81350 Cable(s) - (page 16)		 CT6877
		+ Red	Supply	


### 2-Pin (Fork-Lift) FITTED Plug

Compatible with 3104 Cable(s) - (page 16)

175 Andersons		<table> <tr><td>+</td><td>Red</td><td>Positive</td></tr> <tr><td>-</td><td>Black</td><td>Negative</td></tr> </table>	+	Red	Positive	-	Black	Negative
+	Red	Positive						
-	Black	Negative						

### 2-Pin (Military) FITTED Plug

Compatible with 82350 Cable(s) - (page 16)

Compatible with 82350 Cable(s) - (page 16)			
+	Red	Positive	
-	Black	Negative	

## Automotive / Commercial Vehicles: Specialist - Low Voltage Cables

Automotive, Low-Voltage Cables/Coils for a variety of applications



Part Number*	No. of Cores x CSA (mm <sup>2</sup> )	Core Colours*	Core Ins Material	Inner Sh. Material	Sheath Material	Cable dia (mm)	Coil dia approx (mm)
WFD820766 Black	2 x 0.75	Red, Black	PVC	-	TPU	5.50	21
WFD821016 Black	2 x 1.00	Red, Black	PVC	-	TPU	6.00	23
WFD4602 Black	2 x 1.50	Red, Black	PVC	-	TPU	7.00	27
WFD830766 Black	3 x 0.75	Red, Black, Green	PVC	-	TPU	5.75	21
WFD831016 Black	3 x 1.00	Red, Black, Green	PVC	-	TPU	6.35	24
WFD4603 Black	3 x 1.50	Red, Black, Green	PVC	-	TPU	8.00	32
WFD840766 Black	4 x 0.75	Brown, Black, Blue, Yellow	PVC	-	TPU	6.50	24
WFD4604 Black	4 x 1.50	Brown, Black, Red, Green	PVC	-	TPU	9.00	34
WFD850766 Black	5 x 0.75	Brown, Black, Blue, Yellow, Green	PVC	-	TPU	7.00	25
WFD4605 Black	5 x 1.50	Brown, Black, Blue, Red, White	PVC	-	TPU	9.25	34
WFD870766 Black	7 x 0.75	Yellow, Red, Green, Blue, White, Brown, Black	PVC	-	TPU	8.00	29
WFD880766 Black	8 x 0.75	Yellow, Red, Green, Blue, White, Brown, Black, Grey	PVC	-	TPU	8.50	30
WFD881766 Black	7 x 0.75, 1 x 1.50	Yellow, Red, Green, Blue, Brown, Black, Pink & 1 x White (1.50mm <sup>2</sup> )	PVC	-	TPU	9.00	31
WFD8100766 Black	10 x 0.75	Yellow, Red, Green, Blue, White, Brown, Black, Grey, Pink, Orange	PVC	-	TPU	9.50	35

**All Cable and Cores are available in straight lengths to bespoke sizes on request**

### CORES & CABLE

- Cores Manufactured to ISO 6722-1 Thin-Wall specification
- Core & Cable colours as specified above; other colours available on request\*.

### RETRACTABLE COILS

- All specifications are available as coiled retractable cables;
- Standard working lengths 3.0m, 3.5m, 4.0m and 4.5m; Closed coil lengths up to 2.5m / working lengths up to 15m
- Standard tail lengths are 300mm; other working and tail lengths are available on request.

### PLUGS & END-PREPARATION

Specialist Low-Voltage Coils available with:

- Plain-ends
- Outer-Sheath (and inner-sheath where present) removed from tail(s)
- Various ferruling, tinning, crimping, moulding and assembly services available on request

## Automotive / Commercial Vehicles: Specialist & Miscellaneous Cables

Miscellaneous Cables/Coils for various applications including: Military, Trailer/Battery-Charging, Road-Trains etc.



Part Number*	No. of Cores x CSA (mm²)	Core Colours*	Core Ins Material	Inner Sh. Material	Sheath Material	Cable dia (mm)	Coil dia approx (mm)
WFD82350 Red/Black	(2x) 1 x 35.00	Natural	TPE	-	TPU	2x 13.50	56
WFD37277 Black	6 x 2.50, 1 x 6.00	2.50mm²: Yellow, Red, Green, Blue, Brown, Black; 6.00mm²: White	PVC	-	TPC-ET	12.75	93
WFD37267 Black	1 x 4.00, 3 x 2.50, 2 x 1.50, 1 x 6.00	4.00mm²: Brown; 2.50mm²: Yellow, Red, Green; 1.50mm²: Blue, Black; 6.00mm²: White	PVC	-	TPC-ET	12.75	93
WFD6657 Black	5 x 1.50, 2 x 2.50	1.50mm²: White, Yellow, Black, (White/Brown, White/Green); 2.50mm²: Red, Brown	PVC	-	TPU	12.50	50
WFD37257 Black	2 x 6.00, 3 x 2.50, 2 x 1.50	6.00mm²: White, Brown; 2.50mm²: Yellow, Red, Green; 1.50mm²: Blue, Black	PVC	TPE	TPC-ET	15.75	95
WFD6109 Black	8 x 1.50, 1 x 2.50	1.50mm²: Yellow, Red, Green, Blue, Brown, Black, Grey, Pink; 2.50mm²: White	TPE	-	TPE	14.50	54
WFD6609 Black	8 x 1.50, 1 x 2.50	1.50mm²: Yellow, Red, Green, Blue, Brown, Black, Grey, Pink; 2.50mm²: White	PVC	-	TPU	12.50	50
WFD8110 Black	9 x 1.00, 1 x 2.00	1.00mm²: Yellow, Red, Green, Blue, Brown, Black, Grey, Pink, Orange; 2.00mm²: White	TPE	-	TPE	14.50	48
WFD8710 Black	9 x 1.00, 1 x 2.00	1.00mm²: Yellow, Red, Green, Blue, Brown, Black, Grey, Pink, Orange; 2.00mm²: White	PVC	-	TPC-ET	13.00	94
WFD8610 Black	9 x 1.00, 1 x 2.00	1.00mm²: Yellow, Red, Green, Blue, Brown, Black, Grey, Pink, Orange; 2.00mm²: White	PVC	-	TPU	12.00	43
WFD6510 Grey	7 x 1.50, 3 x 2.50	2.50mm²: White, White/Red, Orange; 1.50mm²: Red, Yellow, Pink, Black, Green, Blue, Brown	PVC	-	TPE	14.00	53
WFD8112 Black	10 x 1.00, 2 x 2.00	1.00mm²: Yellow, Red, Green, Blue, Brown, Black, Grey, Pink, Orange, Turquoise; 2.00mm²: White, Light Blue	TPE	-	TPE	15.50	60
WFD7112 Black	10 x 1.50, 2 x 2.50	1.50mm²: Yellow, Red, Green, Blue, Brown, Black, Grey, Pink, Orange, Turquoise; 2.50mm²: White, Light Blue	TPE	-	TPC-ET	15.50	63
WFD6813 Black	12 x 1.50, 1 x 2.50	1.50mm²: Yellow, Red, Green, Blue, Brown, Black, Grey, Pink, Orange, Turquoise, Light Blue, Violet; 2.50mm²: White;	PVC	TPE	TPU	15.00	55
WFD8813 Black	11 x 1.00, 2 x 2.00	1.00mm²: Yellow, Red, Green, Blue, Brown, Black, Grey, Pink, Orange, Turquoise, Violet; 2.00mm²: White, Light Blue	PVC	TPE	TPU	14.50	54
WFD6513 Grey	10 x 1.50, 3 x 2.50	1.50mm²: Yellow, Red, Green, Blue, Brown, Black, Grey, Pink, Turquoise, Violet; 2.50mm²: White, Orange, White/Red	PVC	-	TPE	14.50	54

### CORES & CABLE

- Cores available in TPE or PVC
- TPC-ET, TPE, PU and PVC sheath-types available
- Cores and cable manufactured to requirements and/or relevant standards where applicable

### RETRACTABLE COILS

- All cable specifications are available as straight-cable lengths or coiled retractable cables;
- Working lengths available up to 10m
- Tail lengths to individual requirements

### PLUGS & END-PREPARATION

Specialist & Miscellaneous Coils available with:



- Plain-ends
- Outer-Sheath (and inner-sheath where present) removed from tail(s)
- Various ferruling, tinning, crimping and fitting/assembly services available on request (refer to "End-Prep")

## Automotive / Commercial Vehicles: Specialist & Miscellaneous Plugs/Sockets inc Nato



**Specialist & Miscellaneous Plugs & Sockets including 13-Pole (ISO 11446-1 & Multicon/WeSt), 7 & 15-Pole Camera Systems**

- Plugs and sockets for a wide variety of applications including caravan, camera-systems and military
- Standard or customised wiring to suit individual requirements

### 12 Pole Nato Plugs and Sockets

NAT12PP-003 or 004		<ul style="list-style-type: none"> <li>• NAT12PP is available for 17mm (004) and 24mm (003) cable</li> <li>• Permissible Ambient Temperature range -40c to 85c</li> <li>• Silvered Contact Pins</li> <li>• Various applications including high current, connections to military trailers etc.</li> </ul>	 NAT12SS-001
--------------------	---	--	---



### 12 Pole Nato Plugs and Sockets

NAT12PS-005 or 006		<ul style="list-style-type: none"> <li>• NAT12PS is available for 17mm (006) and 24mm (005) cable</li> <li>• Permissible Ambient Temperature range -40c to 85c</li> <li>• Silvered Contact Pins</li> <li>• Various applications including high current, connections to military trailers etc.</li> </ul>	 NAT12SS-002
--------------------	---	--	---



### 2 Pin Nato Plugs and Sockets

NAT2PP-001		<ul style="list-style-type: none"> <li>• Permissible Ambient Temperature range -40c to 85c</li> <li>• Silvered Contact Pins</li> <li>• Various applications including high current and military applications.</li> </ul>	NAT2PP-002 	 NAT2SS-003
------------	--	--	--	---



### 7-Pole Commercial Vehicle Camera Systems Plug(s) / Socket(s)

3007PCAMSR		<ul style="list-style-type: none"> <li>• 7-Pole Camera-System plugs and sockets available</li> <li>• Various compatible cable/coil types available</li> <li>• Wiring to suit individual requirements</li> </ul>	 3007SCAM
------------	---	---	--

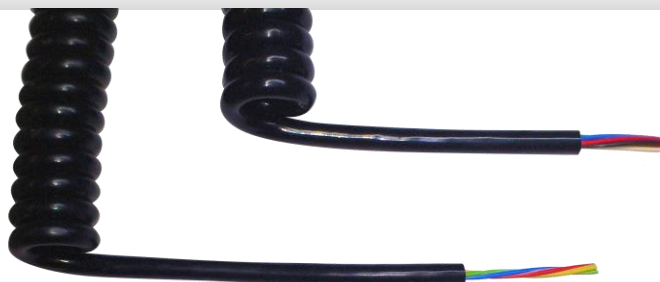
### 15-Pole Commercial Vehicle Camera Systems Plug(s) / Socket(s)

3015PCAMSR		<ul style="list-style-type: none"> <li>• 15-Pole Camera-System plugs and sockets available</li> <li>• Various compatible cable/coil types available</li> <li>• Wiring to suit individual requirements</li> </ul>	 3015SCAM
------------	---	--	--

### 13-Pole [ISO 11446-1] vehicle connector(s) (12V)

13-SC*-RS*		<ol style="list-style-type: none"> <li>Yellow LHS direction indicator light</li> <li>Blue Rear fog light</li> <li>White Common return for contacts 1, 2 &amp; 4 - 8</li> <li>Green RHS direction indicator light</li> <li>Brown RHS rear position light(s), RHS marker lights &amp; rear registration plate lighting</li> <li>Red Stop lights</li> <li>Black LHS rear position light(s), LHS marker lights &amp; rear registration plate lighting</li> <li>Pink Reversing Light(s)</li> <li>Orange Permanent Power Supply (12V)</li> <li>Grey Ignition-Switch-Controlled Power Supply (12V)</li> <li>White/Black Return for contact No. 10</li> <li>White/Blue Reserved (not currently allocated)</li> <li>White/Red Return for contact No. 9</li> </ol>	 4213
------------	---	--	--

## Unscreened Communications / Electronics Cables



Part Number*	No. of Cores x CSA (mm <sup>2</sup> )	Core Colours*	Core Ins Material	Inner Sh. Material	Sheath Material	Cable dia (mm)	Coil dia approx (mm)
WFD210206 Black	1 x 0.20	White	PVC	-	TPU	3.20	11
WFD220095 Black	2 x 0.09	Red, Blue	PVC	-	PVC	3.70	14
WFD220096 Black	2 x 0.09	Red, Blue	PVC	-	TPU	3.00	11
WFD220146 Black	2 x 0.14	Red, Blue	PVC	-	TPU	3.20	13
WFD220205 Black	2 x 0.20	Red, Blue	PVC	-	PVC	4.00	14
WFD220206 Black	2 x 0.20	Red, Blue	PVC	-	TPU	3.20	13
WFD230096 Grey	3 x 0.09	Red, Blue, Green	PVC	-	TPU	3.20	13
WFD230146 Black	3 x 0.14	White, Green, Brown	PVC	-	TPU	3.50	13
WFD230205 Black	3 x 0.20	Red, Blue, Green	PVC	-	PVC	4.50	15
WFD240096 Black	4 x 0.09	Red, Blue, Green, Yellow	PVC	-	TPU	3.20	11
WFD240145 Black	4 x 0.14	Red, Blue, Green, Black	PVC	-	PVC	4.50	17
WFD240146 Black	4 x 0.14	Red, Blue, Green, Yellow	PVC	-	TPU	3.70	14
WFD240205 Black	4 x 0.20	Red, Blue, Green, Yellow	PVC	-	PVC	5.00	18
WFD240206 Black	4 x 0.20	Red, Blue, Green, Yellow	PVC	-	TPU	4.75	17
WFD250146 Black	5 x 0.14	Red, Blue, Green, White, Black	PVC	-	TPU	5.00	18
WFD260145 Black	6 x 0.14	Red, Blue, Green, Yellow, White, Black	PVC	-	PVC	5.00	18
WFD260205 Black	6 x 0.20	Red, Blue, Green, Yellow, White, Black	PVC	-	PVC	5.50	19
WFD260206 Black	6 x 0.20	Red, Blue, Green, Yellow, White, Black	PVC	-	TPU	5.50	19
WFD270145 Black	7 x 0.14	Red, Blue, Green, White, Black, Orange, Grey	PVC	-	PVC	5.00	18
WFD270206 Black	7 x 0.20	Red, Blue, Green, Yellow, White, Black, Brown	PVC	-	TPU	5.50	19
WFD280145 Black	8 x 0.14	Red, Blue, Green, Yellow, White, Black, Brown, Violet	PVC	-	PVC	5.25	18
WFD280146 Black	8 x 0.14	Red, Blue, Green, Yellow, White, Black, Brown, Orange	PVC	-	TPU	4.75	17
WFD2100145 Black	10 x 0.14	Red, Blue, Green, Yellow, White, Black, Brown, Violet, Orange, Pink;	PVC	-	PVC	6.00	20
WFD2120145 Black	12 x 0.14	Red, Blue, Green, Yellow, White, Black, Brown, Violet, Orange, Pink, Turquoise, Grey;	PVC	-	PVC	6.00	20

### CORES & CABLE

- Conductor sizes available as standard (for communications and electronics cables): (CSA) 0.09mm<sup>2</sup>, 0.14mm<sup>2</sup>, 0.20mm<sup>2</sup>
- Core colours as specified against each part in the above table. Other colours are available on request\*.
- Available with PVC, TPU or TPE outer-sheath; Black as standard (except where specified), other colours available on request\*.

### RETRACTABLE COILS

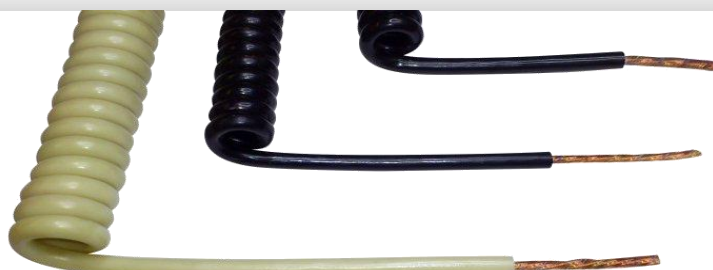
- All specifications are available as coiled retractable cables;
- Closed-coil lengths available from 100mm to 2500mm; supplied with 150mm tails as standard (any length available on request\*)
- Extension ratios (closed coil to max. extension) typically = PVC 1-4 / TPE: 1-4 / TPU: 1-6

### PLUGS & END-PREPARATION

All cable specifications available with any combination of:

- Plain-ends
- (Inner &) Outer-Sheath removed from tail(s)
- Various Ferruling, tinning, crimping and assembly services available on request

## Screened Communications / Electronics Cables



Part Number*	No. of Cores x CSA (mm <sup>2</sup> )	Core Colours*	Core Ins Material	Inner Sh. Material	Sheath Material	Cable dia (mm)	Coil dia approx (mm)
WFD320096 Black	2 x 0.09	Red, Blue	PVC	-	TPU	3.00	11
WFD320206 Black	2 x 0.20	Red, Blue	PVC	-	TPU	4.00	15
WFD320506 Black	2 x 0.50	Brown, Blue	PVC	-	TPU	6.00	24
WFD340196R Black	4 x 0.09	Red, Blue, Green, Yellow	TPC-ET	-	TPU	4.80	20
WFD340096 Black	4 x 0.09	Red, Blue, Green, Yellow	PVC	-	TPU	4.25	16
WFD340146 Black	4 x 0.14	Red, White, Green, Black;	PVC	-	TPU	6.50	14
WFD340206 Black	4 x 0.20	Red, Blue, Green, Yellow	PVC	-	TPU	5.00	19
WFD340503 Black	4 x 0.50	Brown, Black, Green/Yellow, Grey	PVC	-	TPE	7.25	25
WFD350096 Black	5 x 0.09	Red, Blue, Green, Yellow, White	PVC	-	TPU	4.40	16
WFD350206 Grey	5 x 0.20	Red, Blue, Green, Yellow, Black	PVC	-	TPU	6.00	26
WFD360096 Black	6 x 0.09	Red, Blue, Green, Yellow, White, Black	PVC	-	TPU	4.50	16
WFD370145 Black	7 x 0.14	Red, Blue, Green, Yellow, White, Black, Brown	PVC	-	PVC	5.25	19
WFD370206 Black	7 x 0.20	Red, Blue, Green, Yellow, White, Black, Brown	PVC	-	TPU	5.50	20
WFD380206 Black	8 x 0.20	Red, Blue, Green, Yellow, White, Black, Brown, Violet	PVC	-	TPU	6.00	24
WFD390096 Grey	9 x 0.09	Red, Blue, Green, Yellow, White, Black, Brown, Violet, Orange;	PVC	-	TPU	6.00	24
WFD3120196R Black	12 x 0.09	Red, Blue, Green, Yellow, White, Black, Brown, Violet, Orange, Pink, Turquoise, Grey;	TPC-ET	-	TPU	6.00	24
WFD3120206 Black	12 x 0.20	Red, Blue, Green, Yellow, White, Black, Brown, Violet, Orange, Pink, Turquoise, Grey;	PVC	-	TPU	6.50	24
WFD3150146 Black	15 x 0.14	Red, Blue, Green, Yellow, White, Black, Brown, Violet, Orange, Pink, Turquoise, Grey, Cream, Light Blue, Dark Green;	PVC	-	TPU	6.50	24

**All Cable and Cores are available in straight lengths to bespoke sizes on request**

### CORES & CABLE

- Conductor sizes available as standard (for communications and electronics cables): (CSA) 0.09mm<sup>2</sup>, 0.14mm<sup>2</sup>, 0.20mm<sup>2</sup>
- Core colours as specified against each part in the above table. Other colours are available on request\*.
- Available with PVC, TPU or TPE outer-sheath; Black as standard (except where specified), other colours available on request\*.

### RETRACTABLE COILS

- All specifications are available as coiled retractable cables;
- Closed-coil lengths available from 100mm to 2500mm; supplied with 150mm tails as standard (any length available on request\*)
- Extension ratios (closed coil to max. extension) typically = PVC 1-4 / TPE: 1-4 / TPU: 1-6

### PLUGS & END-PREPARATION

All cable specifications available with any combination of:

- Plain-ends
- (Inner &) Outer-Sheath removed from tail(s)
- Various Ferruling, tinning, crimping and assembly services available on request



## Standard & Bespoke End-Preparation Services



D Type Connectors  
Coax Connectors  
Molex / JST Housings and Crimping  
Power Connectors  
Signal Connectors  
Automotive Connectors  
Trailer Connectors  
Electronic Braking System Interconnect  
Military / NATO  
Network Connectors: Example Cat 5 / Cat 6  
Lemo  
Fischer  
Harting  
and many many others.

We offer a variety of End-Preparation options, including:

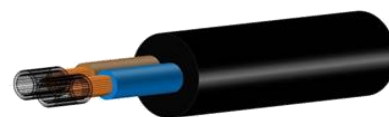
### Sheath-Stripping

- Sheath-Strip lengths up to 250mm (cable-specification-dependent)



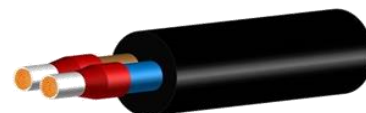
### Core-Insulation Stripping

- Full or part stripping available (cable-specification-dependent)
- Core-Insulation-Strip lengths up to 30mm (cable-specification-dependent)



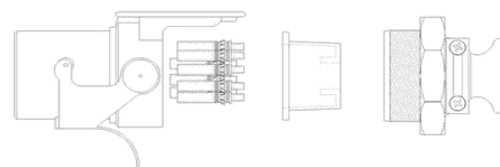
### Core End-Preparation

- Tinning - partial or full
- Ferruling - Including bootlace, ring terminals, brass-crimps etc.



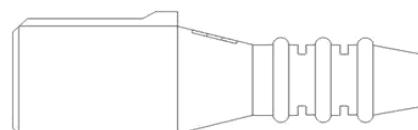
### Fitted Parts

- Bespoke end-preparation services available
- Fitting of any required parts can be trialled for quotation purposes
- Standard (stocked) fitted parts include: 2-Pin, 3-Pin, ABS, EBS, 7-Pole (24N, 24S, 12N, 12S), 13-Pin, 15-Pin, Battery-Charging and Camera Systems plugs and sockets
- Potting and Sealing for water-proofing



### Moulded Plugs

- Bespoke moulding services available
- Moulded plugs available in any colour
- Your company name and/or logo can be added to each plug
- Standard moulded plugs include: 3.5mm stereo plugs (straight and right-angled), Single-Pin, 2-Pin, 7-Pole (24N, 24S, 12N, 12S)



# Customer Enquiry Form for Retractable Cables

Customer Name:

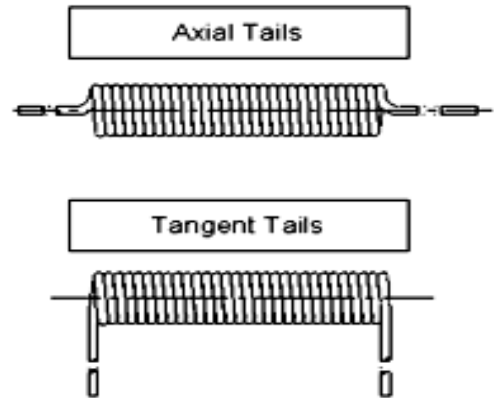
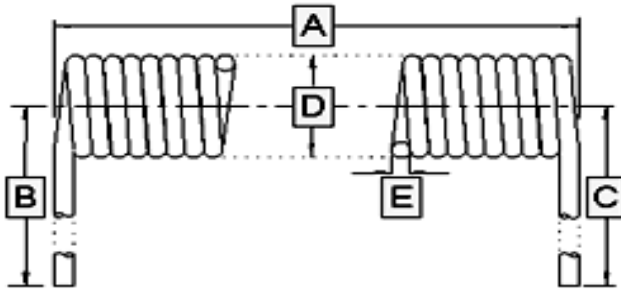
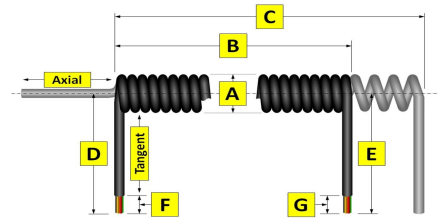
Contact

Position:

Tel:

Email:

## Enquiry / Data Sheet



Your Part No:	Example
No of Cores	4 Cores
Conductor Size mm <sup>2</sup> :	1.00mm <sup>2</sup>
Core Material:	PVC
Core Colours:	BROWN, BLACK, GREY, GREEN / YELLOW
Sheath Material:	PVC
Sheath Colour:	Black
Nom Cable Diameter Ø mm (E):	8.75mm
Nom Coil Diameter Ø mm (D):	32.31
Working Length mm:	1200mm
1 <sup>st</sup> Tail Length mm (B):	130mm
2 <sup>nd</sup> Tail Length mm (C):	240mm
End Prep:	N/a

Notes:

**Westfield Electronics**  
Unit 2, Station Yard  
Station Road  
Hungerford  
Berkshire  
RG17 0DY

Tel: +44(0) 1488 685183  
Fax: +44(0)1488 685430  
E-mail: sales@westfield.co.uk



Certificate No: 6595

Westfield Tel: 01488 685183      Fax: 01488 685430      e-mail: [sales@westfield.co.uk](mailto:sales@westfield.co.uk)      Contacts: Steve Chappell / Chris Lloyd

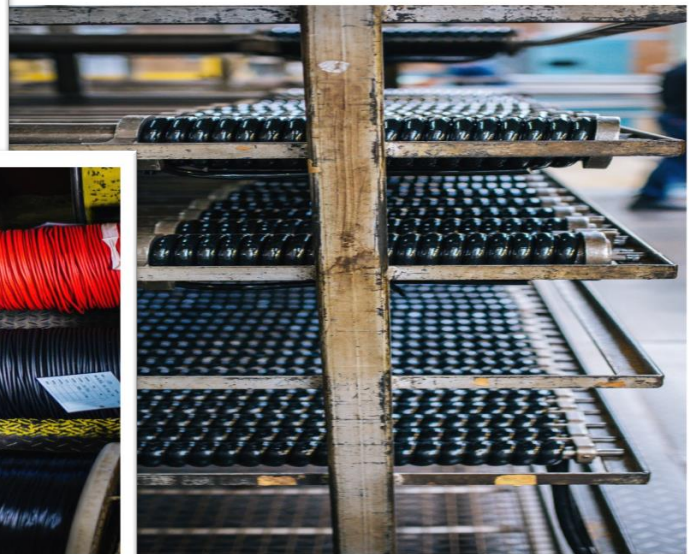
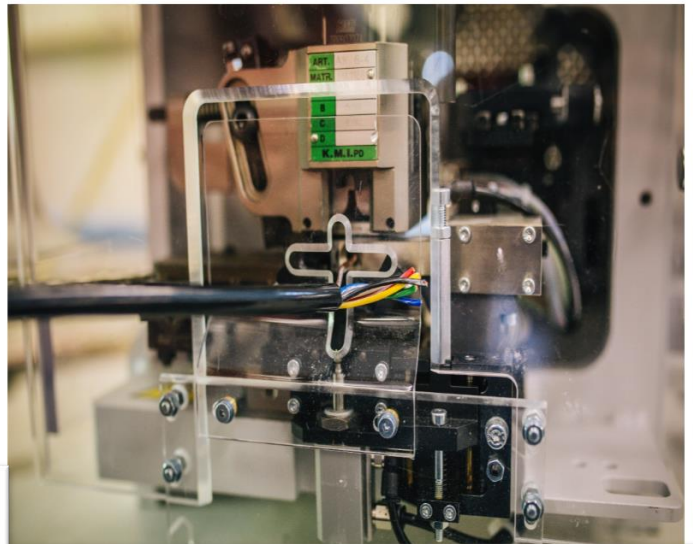
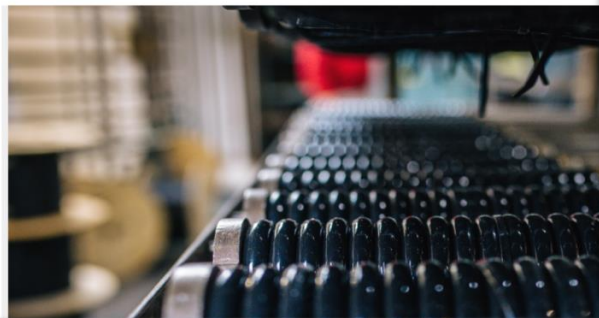
[www.westfield.co.uk](http://www.westfield.co.uk)

Your Name:
Company:
E ~ mail:
Tel:
Fax:
Project Name / Ref:

Title:	Date:	Revisions		
	Scale: NTS			
Part Number:	Drawn By:	Issue	Description	Customer sign off
	Customer Part No:			

Please use this Blank Sheet for your Prototype Cable Assembly Requirements, then just E-mail / Fax / Post to us for a Rapid response. E-mail: [sales@westfield.co.uk](mailto:sales@westfield.co.uk)





***Quality Cables and Connectors that Don't  
Come Back ! For Customer's Who Do.....***

Westfield Electronics  
(a div of Westfield Distribution Ltd)  
Unit 2, Station Yard  
Station Road  
Hungerford  
Berkshire  
RG17 0DY