



WWW.CABLEJOINTS.CO.UK
THORNE & DERRICK UK
TEL 0044 191 490 1547 FAX 0044 477 5371
TEL 0044 117 977 4647 FAX 0044 977 5582
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British Rail Approved Items for 3M EMD Products

Cable Joints up to 6.6kV

Points Heating Cable Jointing Kits

BR Cat Number	3M Part nbr Description
55/109022 BR/91-A12	For 2 Core 6mm ² and 16mm ² PVC SWA Cable
55/109026 BR/91-A13	For 16mm ² 3 Core Flex Cable, & 16mm ² 4 Core PVC SWA Cable
55/109024 BR/91-A14	For 35mm ² 4 Core Cu PVC SWA Cable
55/109023 BR/91-A15	For 50mm ² and 70mm ² 4 Core Cu PVC SWA Cable
55/109025 BR/91-A16	For 150mm ² 4 Core Cu PVC SWA Cable
54/037039 91-A11	Inline Scotchcast Min 8mm Max 26mm OD
54/037019 91-A12	Inline Scotchcast Min 14mm Max 32mm OD
54/015664 91-A13	Inline Scotchcast Min 23mm Max 37mm OD
54/037048 91-A14	Inline Scotchcast Min 39mm Max 51mm OD
54/015624 91-A15	Inline Scotchcast Min 36mm Max 63mm OD
54/105663 91-A16	Inline Scotchcast Min 48mm Max 80mm OD
54/015634 91-A17	Inline Scotchcast Min 45mm Max 90mm OD
54/110490 91-B121	Branch Scotchcast Main 8-26mm OD, Branch 8-26mm OD
55/121353 LO41	PST for 500mm ² , 630mm ² , 1000mm ² Alu/Cu Terms Min Dia 24.4mm, Max Dia 98.2mm, Length 234mm
55/121352 LA11	PST for Butt/Inline Terms 500mm ² , 630mm ² , 1000mm ² Alu/Cu Min Dia 38.1mm, Max 114mm, Length 457mm
55/121351 LO42	PST for Butt/Inline Joints/Terms for 150mm ² , 240mm ² Cu/Alu Min Dia 38.1mm, Max Dia 114mm, Length 457mm
55/022506 8407-12	PST EPR for Butt/Inline Joints/Terms for Cu/Alu Min Dia 18mm, Max Dia 41.5mm, Length 305mm

11kV Cable Terminations for PILC/Polymeric Screened Cables (Cu and Alu)

BR Cat Number	3M Part nbr Description
54/073246	MT16 Term Indoor for 3 Core Alu/Cu PILC/CAS SWA Cable 70-300mm ²
54/073248	MT25 Term Indoor for 3 Core Alu/Cu XLPE/EPR Scr PVC/SWA 25-70mm ²
54/073249	MT26 Term Indoor for 3 Core Alu/Cu XLPE/EPR Scr PVC/SWA 95-185mm ²
54/073250	MT27 Term Indoor for 3 Core Alu/Cu XLPE/EPR Scr PVC/SWA 240-300mm ²

11kV Cable Jointing for PILC/Polymeric Screened Cables (Cu and Alu)

BR Cat Number	3M Part nbr Description
54/035031	MA27 Inline Joint for 3 Core 185-240mm ² Str Alu/Cu, 11kV XLPE/SWA
54/035032	MA17 Inline Joint for 3 Core 70-150mm ² Str Alu/Cu, 11kV PILC/CAS SWA
54/035033	MA18 Inline Joint for 3 core 185-300mm ² Str Alu/Cu, 11kV PILC/CAS SWA
54/035034	91-A17+92-P241/3 Transition Joint for 3 Core 70-150mm ² Al/Cu, 11kV PILC/PICAS
54/035035	91-A175 +92-P242/3 Transition Joint for 3 Core 185-300mm ² Al/Cu, 11kV PILC/PICAS
54/037049	MA21 Joint Kit Single Core XLPE or EPR 25-95mm ² Al/Cu
54/015638	MA22 Joint Kit Single Core XLPE or EPR 120-240mm ² Al/Cu
7/051081	MP23 Resin 1471 Extra 1471 Resin for MA27 Kit



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33kV_{phase} Cable Jointing for XLPE/XLPE

BR Cat Number	3M Part nbr Description
TBA	94-AP631-1 Inline joint for single core XLPE 120-400mm ² , 36kV _{max} CWA

33kV_{phase} Cable Terminations for XLPE

BR Cat Number	3M Part nbr Description
TBA	94-EP630-2 QTIII Single Core term for CWA 95-400mm ² , 36kV _{max}

45kV_{phase} Cable Terminations for XLPE

BR Cat Number	3M Part nbr Description
TBA	95-EP631-2 QTIII Single Core term for CWA 240-500mm ² , 52kV _{max}

All these kits are under Network Rail Approval Qtr 2 2005. New PADs nos will be issued when known.

Cable Management Systems, Lugs, Connectors & Tooling, up to 36kV

BR Cat Number	3M Part nbr Description
54/010635	C7070C11W.16 Connector Compression Blocked hole Cu stranded Conductor 70mm
54/010636	C9595C11W.18 Connector Compression Blocked hole Cu stranded Conductor 95mm
54/010637	C120120C11W.20 Connector Compression Blocked hole Cu stranded Conductor 120mm
54/010638	C150150C11W.22 Connector Compression Blocked hole Cu stranded Conductor 150mm
54/010639	C185185C11W.25 Connector Compression Blocked hole Cu stranded Conductor 185mm
54/010640	C150150A11W.25 Connector Compression Blocked hole Alu stranded Conductor 150mm
54/010641	C185185A11W.28 Connector Compression Blocked hole Alu stranded Conductor 185mm
54/010642	C240240A11W.32 Connector Compression Blocked hole Alu stranded Conductor 240mm
54/010643	C300300A11W.34 Connector Compression Blocked hole Alu stranded Conductor 300mm
54/010644	C240185B11W.32/25 Connector Compression Blocked hole Bimetallic stranded Conductor 240-185mm
54/010645	C300185B11W.34/25 Connector Compression Blocked hole Bimetallic stranded Conductor 300-185mm
54/039212	L150B11W.25 Lug Compression Bimetallic Waterblocked Alu Stranded Conductor 150mm
54/039213	L185B11W.28 Lug Compression Bimetallic Waterblocked Alu Stranded Conductor 185mm
54/039214	L240B11W.32 Lug Compression Bimetallic Waterblocked Alu Stranded Conductor 240mm
54/039215	L300B11W.34 Lug Compression Bimetallic Waterblocked Alu Stranded Conductor 300mm
39/069238	EP1 Crimping tool extendable handles, for Cu 6-240mm, and Alu 16-300mm
39/013044	A95/120-22 Die set for 95 & 120mm Alu
39/013046	A185-28 Die set for 185mm Alu



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39/013047	A240-32 Die set for 240mm Alu
39/013048	A300-34 Die set for 300mm Alu
39/013049	C70-16 Die set for 70mm Cu
39/013051	C95-18 Die set for 95mm Cu
39/013052	C120-20 Die set for 120mm Cu
39/013053	C150-22 Die set for 150mm Cu
39/013054	C185-25 Die set for 185mm Cu
54/039216	L70C11W.16 Lug Compression Cu Waterblocked 70mm
54/039217	L95C11W.18 Lug Compression Cu Waterblocked 95mm
54/039218	L120C11W.20 Lug Compression Cu Waterblocked 120mm
54/039219	L150C11W.22 Lug Compression Cu Waterblocked 150mm
54/039220	L185C11W.25 Lug Compression Cu Waterblocked 185mm
54/039221	L240C11W.28 Lug Compression Cu Waterblocked 240mm

Cable Joints & Accessories for Signalling and Telephone

BR Cat Number	3M Part nbr Description
54/015632	99-D1 Jointing Kit for Pilot/Communication Cable 8-26mm OD
54/015656	99-D2 Jointing Kit for Pilot/Communication Cable 14-32mm OD
54/015659	99-D3 Jointing Kit for Pilot/Communication Cable 23-37mm OD
54/015661	99-D4 Jointing Kit for Pilot/Communication Cable 28-51mm OD
54/035007	99-D5 Jointing Kit for Pilot/Communication Cable 33-60mm OD
54/008164	E9MB Scotchlok Crimping Tool
54/012638	U1B Scotchlok Crimp Connector Paired Solid Conductor 0.9-1.3mm
54/012633	UY Scotchlok Crimp Connector Through Solid Conductor 0.4-0.6mm
54/012634	UR Scotchlok Crimp Connector Through Solid Conductor 0.4-0.9mm
54/012636	UG Scotchlok Crimp Connector Tee Solid Conductor 0.4-0.9mm
54/012637	U1R Scotchlok Crimp Connector Paired Solid Conductor 0.5-0.9mm

Earth Continuity for Armoured Cables

BR Cat Number	3M Part nbr Description
54/037040	AC1 Armour Continuity Kit 8-13mm OD
54/037041	AC2 Armour Continuity Kit 13.1-19mm OD
54/037042	AC3 Armour Continuity Kit 25-19mm OD
54/037043	AC4 Armour Continuity Kit 25.1-32mm OD
54/037044	AC5 Armour Continuity Kit 32.1-38mm OD
54/037045	AC6 Armour Continuity Kit 38.1-44mm OD
54/037046	AC8 Armour Continuity Kit 48.1-54mm OD
54/037047	ACC26 Copper Earth Bonding 16mm x 2.6mm for use with AC Kit Range
54/069241	JO20 Tool for use with AC and ACC Kits

Note, a ref. BR-99-Dx equals the 99-Dx series kit supplied with the appropriate AC kit. Network Rail insist that all 99 series kits are earthed with the AC screen.

Wire Marking Systems

BR Cat Number	3M Part nbr Description
39/013057	STD0-9 Scotchcode Wire Marker Dispenser Filled Marker 0-9 540 Characters
54/073037	SDR0 Scotchcode Tape Wire Marker Number 0
54/073038	SDR1 Scotchcode Tape Wire Marker Number 1



54/073039	SDR2 Scotchcode Tape Wire Marker Number 2
54/073040	SDR3 Scotchcode Tape Wire Marker Number 3
54/073041	SDR4 Scotchcode Tape Wire Marker Number 4
54/073042	SDR5 Scotchcode Tape Wire Marker Number 5
54/073043	SDR6 Scotchcode Tape Wire Marker Number 6
54/073044	SDR7 Scotchcode Tape Wire Marker Number 7
54/073046	SDR8 Scotchcode Tape Wire Marker Number 8
54/073047	SDR9 Scotchcode Tape Wire Marker Number 9
54/073048	SDR+ Scotchcode Tape Wire Marker Symbol +
54/073049	SDR- Scotchcode Tape Wire Marker Symbol -
54/073011	SDRA Scotchcode Tape Wire Marker Letter A
54/073012	SDRB Scotchcode Tape Wire Marker Letter B
54/073013	SDRC Scotchcode Tape Wire Marker Letter C
54/073014	SDRD Scotchcode Tape Wire Marker Letter D
54/073015	SDRE Scotchcode Tape Wire Marker Letter E
54/073016	SDRF Scotchcode Tape Wire Marker Letter F
54/073017	SDRG Scotchcode Tape Wire Marker Letter G
54/073018	SDRH Scotchcode Tape Wire Marker Letter H
54/073019	SDRI Scotchcode Tape Wire Marker Letter I
54/073020	SDRJ Scotchcode Tape Wire Marker Letter J
54/073021	SDRK Scotchcode Tape Wire Marker Letter K
54/073022	SDRL Scotchcode Tape Wire Marker Letter L
54/073023	SDRM Scotchcode Tape Wire Marker Letter M
54/073024	SDRN Scotchcode Tape Wire Marker Letter N
54/073025	SDRO Scotchcode Tape Wire Marker Letter O
54/073026	SDRP Scotchcode Tape Wire Marker Letter P
54/073027	SDRQ Scotchcode Tape Wire Marker Letter Q
54/073028	SDRR Scotchcode Tape Wire Marker Letter R
54/073029	SDRS Scotchcode Tape Wire Marker Letter S
54/073030	SDRT Scotchcode Tape Wire Marker Letter T
54/073031	SDRU Scotchcode Tape Wire Marker Letter U
54/073032	SDRV Scotchcode Tape Wire Marker Letter V
54/073033	SDRW Scotchcode Tape Wire Marker Letter W
54/073034	SDRX Scotchcode Tape Wire Marker Letter X
54/073035	SDRY Scotchcode Tape Wire Marker Letter Y
54/073036	SDRZ Scotchcode Tape Wire Marker Letter Z

Electrical Tapes and Accessories

BR Cat Number	3M Part nbr Description
55/022275	Scotch 23 Self Amalgamating EPR 19mm x 9.5m
55/022297	Scotch VM Vinyl Mastic Tape 38mm x 6m
55/121001	Scotch 88 Insulating PVC, Black, Low temp outdoor applications, 38mm x 33m
55/121025	Scotch 27 Insulating Glass Cloth pressure sensitive, 0.08mm x 12mm x 55m BS3924
55/121040	Scotch 79 Insulating Glass Cloth pressure sensitive, 0.18mm x 12mm x 55m BS3924
55/121042	Scotch 27 Insulating Glass Cloth pressure sensitive, 0.08mm x 6mm x 55m BS3924
55/121049	Scotch 27 Insulating Glass Cloth pressure sensitive, 0.08mm x 12mm x 20m BS3924
55/121050	Scotch 27 Insulating Glass Cloth pressure sensitive, 0.08mm x 15mm x 55m BS3924
55/121055	Scotch 79 Insulating Glass Cloth pressure sensitive, 0.18mm x 25mm x 55m BS3924
55/121056	Scotch 27 Insulating Glass Cloth pressure sensitive, 0.08mm x 25mm x 55m BS3924
55/022272	Scotch 24 Electrical Shielding Tape Tinned Copper Braid Open Weave 25mm x 4.5m



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55/022271	Scotch 33+ Insulating PVC, Black, Flame retardent All weather -18-105DegC 19mmx20m BS3924
55/022131	Scotchfil Putty Rubber based Putty in tape form Use up to 1kV, BS3924, 38mm x 1.5m
55/022013	Scotchwrap 50 All weather Corrosion protection tape, Black, 50mm x 30.5m
55/021820	Scotch 33 Electrical PVC Tape, Adhesive, Black. 0.18mm x 19mm x 55m