

STRAIGHT JOINT SELECTION CHART

Nominal area of conductor (mm²)	2 Core Armoured	3 Core Armoured	4 Core Armoured	5 Core Armoured
1.5	S6	S6	S6	S6 *
2.5	S6	S6	S6	S6 *
4	S6	S6	S6	S6 *
6	S6	S6	S6	S6 *
10	S6 *	S10	S10	S10 *
16	S10	S16	S16	S16 *
25	S16 *	S25	S25	S25 *
35	S25 *	S35	S35	S35 *
50	S35 *	S35 *	S50	S95 *
70	S50 *	S50 *	S95	S95 *
95	S95	S95	S95	S120 *
120	S95 *	S120	S120	not applicable
150	S120 *	S120 *	S185	not applicable
185	S120 *	S185	S185	not applicable
240	S185 *	S300	S300	not applicable
300	S185 *	S300	S300	not applicable
400	S300 *	S300 *	S400	not applicable

STRAIGHT JOINT DIMENSIONS

Straight Kit Ref.	Maximum Core Size (mm²)	Maximum Cable Diameter (mm)	External Length (mm)	External Width (mm)
S6	6 x 5 Core	27	195	45
S10	10 x 5 Core	33	210	61
S16	16 x 5 Core	39	226	71
S25	25 x 5 Core	39	256	71
S35	35 x 5 Core	39	325	80
S50	50 x 4 Core	48	400	90
S95	95 x 4 Core	45	575	165
S120	120 x 4 Core	53	635	190
S185	185 x 4 Core	60	730	210
S300	300 x 4 Core	73	885	235
S400	400 x 4 Core	82	965	295

As standard, all straight kits are supplied with cable connectors to suit the maximum 4 core cable configuration. * denotes that the kit will accommodate the cable size shown but the cable size must be advised when ordering to ensure correct connectors are supplied.

BRANCH CABLE JOINT SELECTION CHART

Branch Cable (mm²)	Uncut main cable (mm²)									
	1.5mm 2, 3, 4, 5 Core	2.5mm 2, 3, 4, 5 Core	4mm 2, 3, 4, 5 Core	6mm 2, 3, 4, 5 Core	10mm 2, 3, 4, 5 Core	16mm 2 Core	16mm 3, 4, 5 Core	25mm 2, 3, 4, 5 Core	35mm 2, 3, 4 Core	50mm 2, 3, 4 Core
1.5 x 2, 3 Core	B10	B10	B10	B10	B10	B10	B25	B25	B35	B50
2.5 x 2, 3 Core		B10	B10	B10	B10	B10	B25	B25	B35	B50
4 x 2, 3 Core			B10	B10	B10	B10	B25	B25	B35	B50
6 x 2, 3 Core				B10	B10	B10	B25	B25	B35	B50
10 x 2, 3 Core					B10	B10	B25	B25	B35	B50
10 x 4 Core					B35		B35	B35	B35	B50
16 x 2, 3 Core						B10	B25	B25	B35	B50
16 x 4 Core							B35	B35	B35	B50
25 x 2, 3 Core								B25	B35	B50
25 x 4 Core								B35	B35	B50
35 x 2, 3, 4 Core									B35	B50

As standard, all branch kits are supplied with cable connectors to suit the maximum branch cable size.



Branch Cable (mm²)	Uncut main cable (mm²)								
	50mm 2, 3, 4 Core	70mm 2, 3, 4 Core	95mm 2, 3, 4 Core	120mm 2, 3, 4 Core	150mm 2, 3, 4 Core	185mm 2, 3, 4 Core	240mm 2, 3, 4 Core	300mm 2, 3, 4 Core	400mm 2, 3, 4 Core
4 Core upto 16mm	B50	MS70	MS120	MS120	MS185	MS185	MS300	MS300	B400
2, 3 Core upto 35mm	B50	MS70	MS120	MS120	MS185	MS185	MS300	MS300	B400
25 x 4 Core	B50	B70	B120	B120	B185	B185	B300	B300	B400
35 x 4 Core	B50	B70	B120	B120	B185	B185	B300	B300	B400
50 x 2, 3, 4 Core	B70	B70	B120	B120	B185	B185	B300	B300	B400
70 x 2, 3, 4 Core		B70	B120	B120	B185	B185	B300	B300	B400
95 x 2, 3, 4 Core			B120	B120	B185	B185	B300	B300	B400
120 x 2, 3, 4 Core				B120	B185	B185	B300	B300	B400
150 x 2, 3, 4 Core					B185	B185	B300	B300	B400
185 x 2, 3, 4 Core						B185	B300	B300	B400
240 x 2, 3, 4 Core							B300	B300	B400
300 x 2, 3, 4 Core								B300	B400
400 x 2, 3, 4 Core									B400

Selection and dimension charts are for copper conductors. When jointing aluminium conductors sizes may differ. Contact our technical sales dept.

BRANCH CABLE JOINT DIMENSIONS

Branch Kit Reference	Maximum Mains Core Size (mm²)	Maximum Branch Core Size (mm²)	Maximum Cable Diameter (mm)	External Length (mm)	External Width (mm)
B10	10 x 5 core	10 x 3 core	33	210	120
B25	25 x 5 Core	25 x 3 Core	39	256	156
B35	35 x 4 Core	35 x 4 Core	32	395	195
B50	50 x 4 Core	35 x 4 Core	40	395	195
B70	70 x 4 Core	70 x 4 Core	40	470	200
B120	120 x 4 Core	120 x 4 Core	50	545	220
B185	185 x 4 Core	185 x 4 Core	60	585	250
B300	300 x 4 Core	300 x 4 Core	72	800	290
B400	400 x 4 Core	400 x 4 Core	82	965	290



Issue Date Jul 09



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4 WAY MULTI-SERVICE CABLE JOINT SELECTION CHART

Branch cable (mm²)	Uncut main cable (mm²)												
	Upto 10mm 2, 3, 4 Core	Upto 16mm 2, 3, 4 Core	25mm 2 Core	25mm 3, 4 Core	35mm 2, 3, 4 Core	50mm 2, 3, 4 Core	70mm 2, 3, 4 Core	95mm 2, 3, 4 Core	120mm 2, 3, 4 Core	150mm 2, 3, 4 Core	185mm 2, 3, 4 Core	240mm 2, 3, 4 Core	300mm 2, 3, 4 Core
1.5 x 2 Core	MS25	MS25	MS25	MS35	MS35	MS50	MS70	MS70	MS120	MS185	MS185	MS300	MS300
1.5 x 3, 4 Core	MS25	MS25		MS35	MS35	MS50	MS70	MS70	MS120	MS185	MS185	MS300	MS300
2.5 x 2 Core	MS25	MS25	MS25	MS35	MS35	MS50	MS70	MS70	MS120	MS185	MS185	MS300	MS300
2.5 x 3, 4 Core	MS25	MS25		MS35	MS35	MS50	MS70	MS70	MS120	MS185	MS185	MS300	MS300
4 x 2 Core	MS25	MS25	MS25	MS35	MS35	MS50	MS70	MS70	MS120	MS185	MS185	MS300	MS300
4 x 3, 4 Core	MS25	MS25		MS35	MS35	MS50	MS70	MS70	MS120	MS185	MS185	MS300	MS300
6 x 2 Core	MS25	MS25	MS25	MS35	MS35	MS50	MS70	MS70	MS120	MS185	MS185	MS300	MS300
6 x 3, 4 Core	MS25	MS25		MS35	MS35	MS50	MS70	MS70	MS120	MS185	MS185	MS300	MS300
10 x 2 Core	MS25	MS25	MS25	MS35	MS35	MS50	MS70	MS70	MS120	MS185	MS185	MS300	MS300
10 x 3, 4 Core	MS35	MS35		MS35	MS35	MS50	MS70	MS70	MS120	MS185	MS185	MS300	MS300
16 x 2 Core		MS35	MS35	MS35	MS35	MS50	MS70	MS70	MS120	MS185	MS185	MS300	MS300
16 x 3, 4 Core		MS35		MS50	MS50	MS50	MS70	MS70	MS120	MS185	MS185	MS300	MS300
25 x 2 Core			MS35	MS35	MS35	MS50	MS70	MS70	MS120	MS185	MS185	MS300	MS300
25 x 3, 4 Core				MS50	MS50	MS50	MS70	MS70	MS120	MS185	MS185	MS300	MS300
35 x 2 Core					MS35	MS50	MS70	MS70	MS120	MS185	MS185	MS300	MS300
35 x 3, 4 Core					MS50	MS50	MS70	MS70	MS120	MS185	MS185	MS300	MS300

4 WAY MULTI-SERVICE CABLE JOINT DIMENSIONS

Multi-Service Kit Reference	Maximum Mains Core Size (mm²)	Maximum Double Branch Core Size (mm²)	Maximum Cable Diameter (mm)	External Length (mm)	External Width (mm)
MS25	16 x 4 Core	6 x 4 Core (2 Service Outlets)	28	260	120
MS35	35 x 4 Core	10 x 4 Core (2 Service Outlets)	32	390	165
MS50	50 x 4 Core	16 x 4 Core (2 Service Outlets)	45	390	165
MS70	70 x 4 Core	16 x 4 Core (2 Service Outlets)	45	355	195
MS120	120 x 4 Core	16 x 4 Core (2 Service Outlets)	50	405	215
MS185	185 x 4 Core	16 x 4 Core (2 Service Outlets)	60	435	230
MS300	300 x 4 Core	16 x 4 Core (2 Service Outlets)	72	570	260



STRAIGHT PILC SELECTION CHART

Cable area (mm²)	2 Core	3 Core	4 Core
16	S35	S35	S35
25	S35	S35	S35
35	S35	S35	S35
50	S35	S50	S95
70	S35	S95	S95
95	S95	S95	S120
120	S120	S120	S185
150	S120	S185	S300
185	S185	S185	S300
240	S185	S300	S400
300	S185	S300	S400
400	S300	S400	S400

S95 – S400 will accept one service cable from 1.5mm² up to 35mm²

90° T CABLE JOINT SELECTION CHART

Branch Cable (mm²)	Main cable (mm²)							
	1.5mm 2, 3, 4 Core	2.5mm 2, 3, 4 Core	4mm 2, 3, 4 Core	6mm 2, 3, 4 Core	10mm 2, 3, 4 Core	16mm 2, 3, 4 Core	25mm 2, 3, 4 Core	35mm 2, 3, 4 Core
1.5 x 2, 3, 4 Core	T25	T25	T25	T25	T25	T25	T25	T35
2.5 x 2, 3, 4 Core		T25	T25	T25	T25	T25	T25	T35
4 x 2, 3, 4 Core			T25	T25	T25	T25	T25	T35
6 x 2, 3, 4 Core				T25	T25	T25	T25	T35
10 x 2, 3, 4 Core					T35	T35	T35	T35
16 x 2, 3 Core						T25	T25	T35
16 x 4 Core						T35	T35	T35
25 x 2, 3, 4 Core							T35	T35
35 x 2, 3, 4 Core								T35

Larger sizes available on request

MULTI-CORE CABLE JOINT SELECTION CHART

Cable area (mm²)	5 Core	7 Core	10 Core	12 Core	19 Core	22 Core	27 Core	30 Core	40 Core	48 Core
1.5	S6	S10	S10	S16	S25	S50	S50	S50	S95	S120
2.5	S6	S10	S10	S16	S25	S50	S50	S50	S95	S120

PVC insulated, PVC sheathed armoured cables with round annealed solid or stranded copper conductors

MULTI-PAIR CABLE JOINT SELECTION CHART

Cable area (mm²)	2 Pair	5 Pair	10 Pair	15 Pair	20 Pair	25 Pair	30 Pair	40 Pair	50 Pair	100 Pair
0.5	S6	S16	S35	S50	S95	S120	S120	S185	S185	S300
0.9	S6	S16	S35	S50	S95	S120	S120	S185	S185	S300
1.5	S6	S16	S35	S50	S95	S120	S120	S185	S185	S300

PVC insulated, PVC sheathed armoured telecom cables with round annealed solid or stranded copper conductors



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