

**500 V OVERALL SCREENED SINGLE AND
MULTI –PAIR ARMoured INSTRUMENTATION CABLES**

No of pairs	Nominal area of conductor (mm ³)	Minimum insulation Thickness (mm)	Nominal Steel amour Wire Dia. (mm)	Approx. Overall Diameter (mm)	Approx Weight (kg/km)
1p	0.5	0.44	0.9	11.0	215
2p	0.5	0.44	0.9	14.0	310
5p	0.5	0.44	0.9	16.5	440
10p	0.5	0.44	0.9	21.5	690
20p	0.5	0.44	1.25	27.5	1190
1p	0.75	0.44	0.9	11.0	225
2p	0.75	0.44	0.9	14.5	345
5p	0.75	0.44	0.9	17.5	510
10p	0.75	0.44	1.25	23.5	910
20p	0.75	0.44	1.25	29.0	1360
1p	1.0	0.44	0.9	11.5	240
2p	1.0	0.44	0.9	15.0	375
5p	1.0	0.44	0.9	18.5	560
10p	1.0	0.44	1.25	25.0	1010
20p	1.0	0.44	1.25	31.0	1560
1p	1.5	0.44	0.9	12.0	270
2p	1.5	0.44	0.9	16.0	420
5p	1.5	0.44	0.9	20.0	650
10p	1.5	0.44	1.25	27.0	1210
20p	1.5	0.44	1.25	34.0	1890

Standard: EN 50288 -7

Voltage: 500 V

Conductor: Bare Copper Conductor

(Class 2 or Class 5)

Insulation: PE/PVC

Pair Identification: Pairs will be numbered as per appendix

Collective Screen: Aluminum Mylar tape with Tinned copper drain wire

Inner sheath: Extruded PE/PVC

Armouring: Single Layer of Galvanised Steel Wire strip

Sheathing: PVC

Temperature rating: 70 c Max Conductor Operating temperature

**500 V OVERALL SCREENED SINGLE AND
MULTI –TRIAD ARMoured INSTRUMENTATION CABLES**

No of pairs	Nominal area of conductor (mm ³)	Minimum insulation Thickness (mm)	Nominal Steel armour Wire Dia. (mm)	Approx. Overall Diameter (mm)	Approx Weight (kg/km)
1 T	0.5	0.44	0.9	11.5	230
2 T	0.5	0.44	0.9	15.0	365
5 T	0.5	0.44	0.9	18.0	540
10 T	0.5	0.44	1.25	24.5	980
20 T	0.5	0.44	1.25	30.5	1480
1 T	0.75	0.44	0.9	11.5	250
2 T	0.75	0.44	0.9	15.5	395
5 T	0.75	0.44	0.9	19.0	610
10 T	0.75	0.44	1.25	26.0	1130
20 T	0.75	0.44	1.25	32.5	1740
1 T	1.0	0.44	0.9	12.0	265
2 T	1.0	0.44	0.9	16.5	430
5 T	1.0	0.44	0.9	20.0	670
10 T	1.0	0.44	1.25	27.5	1270
20 T	1.0	0.44	1.25	34.5	1970
1 T	1.5	0.44	0.9	13.0	305
2 T	1.5	0.44	0.9	18.0	510
5 T	1.5	0.44	0.9	22.0	820
10 T	1.5	0.44	1.25	30.0	1520
20 T	1.5	0.44	1.25	38.5	2660

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Armouring: Single layer of Galvanised steel wire strip

Sheathing: PVC

Temperature rating: 70C Max Conductor operating temperature

**500 V INDIVIDUAL AND OVERALL SCREENED
MULTI –PAIR ARMoured INSTRUMENTATION CABLES**

No of pairs	Nominal area of conductor (mm ³)	Minimum insulation Thickness (mm)	Nominal Steel amour Wire Dia. (mm)	Approx. Overall Diameter (mm)	Approx Weight (kg/km)
2P	0.5	0.44	0.9	15.0	365
5P	0.5	0.44	0.9	18.5	540
10P	0.5	0.44	1.25	25.0	990
20P	0.5	0.44	1.25	31.0	1480
2P	0.75	0.44	0.9	15.5	395
5P	0.75	0.44	0.9	19.0	590
10P	0.75	0.44	1.25	26.5	1100
20P	0.75	0.44	1.25	32.5	1680
2P	1.0	0.44	0.9	16.5	425
5P	1.0	0.44	0.9	20.0	650
10P	1.0	0.44	1.25	27.5	1210
20P	1.0	0.44	1.25	35.0	1900
2P	1.5	0.44	0.9	18.0	490
5P	1.5	0.44	0.9	22.0	760
10P	1.5	0.44	1.25	30.0	1430
20P	1.5	0.44	1.6	39.0	2480

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MULTI –TRIAD ARMoured INSTRUMENTATION CABLES**

No of pairs	Nominal area of conductor (mm ³)	Minimum insulation Thickness (mm)	Nominal Steel amour Wire Dia. (mm)	Approx. Overall Diameter (mm)	Approx Weight (kg/km)
2T	0.5	0.44	0.9	16.5	415
5T	0.5	0.44	0.9	20.0	630
10T	0.5	0.44	1.25	27.5	1170
20T	0.5	0.44	1.25	34.0	1800
2T	0.75	0.44	0.9	17.5	470
5T	0.75	0.44	0.9	21.0	720
10T	0.75	0.44	1.25	29.0	1330
20T	0.75	0.44	1.6	37.0	2280
2T	1.0	0.44	0.9	18.0	510
5T	1.0	0.44	0.9	22.0	790
10T	1.0	0.44	1.25	30.5	1480
20T	1.0	0.44	1.6	39.5	2580
2T	1.5	0.44	0.9	19.5	570
5T	1.5	0.44	1.26	25.0	1060
10T	1.5	0.44	1.25	33.5	1750
20T	1.5	0.44	1.6	43.0	3110

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