

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

| No of pairs | Nominal area of conductor (mm <sup>3</sup> ) | 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 <sup>3</sup> ) | Minimum insulation Thickness (mm) | Nominal Steel amour 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                  |

Standard: E N 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

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 <sup>3</sup> ) | 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                  |

Standard: E N 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: 70C Max Conductor operating temperature

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

| No of pairs | Nominal area of conductor (mm <sup>3</sup> ) | 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                  |

Standard: E N 50288-7

Voltage: 500 V

Conductor: Bare copper conductor  
(Class 2 or Class 5)

Insulation: PE/ PVC

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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: 70C Max Conductor operating temperatures.