

# SINGLE & MULTI-PAIR, XLPE INSULATION, OVERALL SCREENED, LHPVC BEDDING, STEEL WIRE ARMOUR, LHPVC OUTER SHEATH

## APPLICATION

For indoor and outdoor installation in cable trays or in ducts. Recommended for direct burial

INS-MINES XLPE OS LHPVC SWA LHPVC

## CONSTRUCTION

|                     |  |
|---------------------|--|
| CONDUCTOR           | Multi-strand plain annealed copper   |
| INSULATION          | Cross Linked Polyethylene (XLPE)   |
| CORE IDENTIFICATION | Black and white insulated cores; numbered alpha and numerically, at regular intervals  |
| OVERALL SCREEN      | Aluminium/polyester tape with a 7 strand 0.50mm <sup>2</sup> size tinned annealed copper drain wire                                      |
| BEDDING SHEATH      | Low Halogen Polyvinyl Chloride (LHPVC). The standard bedding sheath colour is black  |
| ARMOUR              | Single layer of galvanised Steel Wire (SW)   |
| OUTER SHEATH        | Low Halogen Polyvinyl Chloride (LHPVC). The standard outer sheath colour is black with a blue stripe to signify reduced halogen emission |

## PURCHASE CODES, WEIGHTS and DIMENSIONS

| NO. OF PAIRS                          | BEDDING DIAMETER UNDER SWA (mm) | OVERALL DIAMETER (mm) | MIN BEND RADIUS (mm) | STANDARD DRUM LENGTH (m) | CABLE WEIGHT (kg/km) |
|---------------------------------------|---------------------------------|-----------------------|----------------------|--------------------------|----------------------|
| 0.5mm <sup>2</sup> (7/0.3) Conductors |                                 |                       |                      |                          |                      |
| 1                                     | 5.6                             | 9.8                   | 98                   | 1000                     | 186                  |
| 2                                     | 8.3                             | 12.5                  | 125                  | 1000                     | 306                  |
| 4                                     | 9.2                             | 13.4                  | 134                  | 1000                     | 363                  |
| 8                                     | 11.8                            | 16.0                  | 160                  | 1000                     | 488                  |
| 12                                    | 14.5                            | 19.8                  | 198                  | 1000                     | 742                  |
| 16                                    | 16.5                            | 21.8                  | 218                  | 1000                     | 951                  |
| 24                                    | 19.2                            | 25.2                  | 252                  | 1000                     | 1389                 |

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|--------------|---------------------------------|-----------------------|----------------------|--------------------------|----------------------|
|--------------|---------------------------------|-----------------------|----------------------|--------------------------|----------------------|

### 1.0mm<sup>2</sup> (14/0.3) Conductors

|    |      |      |     |      |      |
|----|------|------|-----|------|------|
| 1  | 6.5  | 10.7 | 107 | 1000 | 237  |
| 2  | 9.7  | 13.9 | 139 | 1000 | 367  |
| 4  | 11.2 | 15.5 | 155 | 1000 | 387  |
| 8  | 14.1 | 19.4 | 194 | 1000 | 723  |
| 12 | 17.9 | 23.2 | 232 | 1000 | 1005 |
| 16 | 19.8 | 25.9 | 259 | 1000 | 1322 |
| 24 | 24.0 | 31.6 | 316 | 1000 | 2016 |

### 1.5mm<sup>2</sup> (19/0.3) Conductors

|    |      |      |     |      |      |
|----|------|------|-----|------|------|
| 1  | 7.0  | 11.2 | 112 | 1000 | 260  |
| 2  | 10.3 | 14.5 | 145 | 1000 | 451  |
| 4  | 12.3 | 16.5 | 165 | 1000 | 564  |
| 8  | 15.5 | 20.8 | 208 | 1000 | 937  |
| 12 | 19.7 | 25.7 | 257 | 1000 | 1319 |
| 16 | 21.9 | 28.3 | 283 | 1000 | 1589 |
| 24 | 26.6 | 33.8 | 338 | 1000 | 2312 |

300V / 90°C

