

# TELECOM – PE INSULATED, PE SHEATHED – AERIAL FIGURE-8 CABLES

## APPLICATION

Self-supporting aerial outdoor cables to be used in overhead telecommunications infrastructure

AERIAL (FIG-8)

## CONSTRUCTION

|                     |                                                                                                                                                                                                                   |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CONDUCTOR           | Plain annealed copper conductors (0.63mm)                                                                                                                                                                         |
| INSULATION          | Polyethylene insulation                                                                                                                                                                                           |
| TWINNING            | Pair twisting - two insulated conductors are twisted together to form a pair, identification being indicated by colour coding of the insulation                                                                   |
| CABLE CORE ASSEMBLY | For the 6 & 10 pair cables the pairs are stranded into a compact bundle. For cables containing 15 to 100 pairs, groups of pairs are stranded into 5 and 10 pair units. Units are then assembled into a cable core |
| CORE BINDING        | Cable core binder tapes are applied                                                                                                                                                                               |
| SUSPENSION STRAND   | Galvanized stranded steel (Grade 1150 Mpa in accordance with BS 183)<br>7/1.25mm: 6,10 & 15 pair. 7/1.60mm: all other cable sizes                                                                                 |
| SHEATH              | Black UV resistant polyethylene outer sheath                                                                                                                                                                      |

## PURCHASE CODES, WEIGHTS and DIMENSIONS

| NO. OF PAIRS | PRODUCT CODE                         | OVERALL DIAMETER (mm)<br>HEIGHT (H)<br>WIDTH (W) | MIN BEND RADIUS (mm) | STANDARD DRUM LENGTH (m) | CABLE WEIGHT (kg/km) |
|--------------|--------------------------------------|--------------------------------------------------|----------------------|--------------------------|----------------------|
| 6            | TELECOM PE, PE Fig-8 6PR 1000m Drum  | H = 18.9<br>W = 9.5                              | 113                  | 1000                     | 189                  |
| 10           | TELECOM PE, PE Fig-8 10PR 1000m Drum | H = 20.6<br>W = 11.1                             | 123                  | 1000                     | 223                  |
| 15           | TELECOM PE, PE Fig-8 15PR 1000m Drum | H = 22.0<br>W = 12.6                             | 132                  | 1000                     | 271                  |
| 20           | TELECOM PE, PE Fig-8 20PR 1000m Drum | H = 24.4<br>W = 13.9                             | 146                  | 1000                     | 364                  |
| 30           | TELECOM PE, PE Fig-8 30PR 1000m Drum | H = 26.1<br>W = 15.7                             | 156                  | 1000                     | 451                  |
| 50           | TELECOM PE, PE Fig-8 50PR 1000m Drum | H = 30.6<br>W = 20.2                             | 183                  | 1000                     | 607                  |

