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# xDSL (HIGH BIT-RATE) UNDERGROUND CABLE (filled) 4 Pair (unscreened), 10-210 Pairs (screened) Maximum Reference Frequency: 30MHz

## APPLICATION

These cables are deployed in the secondary portion of the telecommunications network where high bit rate services are desirable and are suitable for installation in underground ducts.

xDSL PE PJ APL PE

## CONSTRUCTION

| | |
|---|---|
| CONDUCTOR | Plain annealed copper conductors (0.5mm). |
| INSULATION | Solid Polyethylene. |
| TWINNING | Balanced short pitch pairs provides optimum high bit-rate performance. Identification is being effected by colour coding of the insulation. |
| CABLE CORE ASSEMBLY | **Assembly -** For up to and including 100 pair cables groups of pairs are stranded into 5 or 10 pair units. The 155 and 210 pair cables comprise 30/31 pair units (Spare pairs are defined as per the construction table on page 3).<br>**Filling** - The cable core is completely filled with a water blocking gel. |
| CORE WRAPPING | Water-blocking core binder tapes are applied. |
| MOISTURE BARRIER/ SCREEN | Aluminium Polyethylene Laminated foil (APL). *(not on the 4 pair cable).* |
| SHEATH | Black polyethylene outer sheath. |

## PURCHASE CODES, WEIGHTS and DIMENSIONS

| NO. OF PAIRS | PRODUCT CODE | OVERALL DIAMETER (mm) | MIN BEND RADIUS (mm) | STANDARD DRUM LENGTH (mm) | CABLE WEIGHT (kg/km) |
|---|---|---|---|---|---|
| 4 | xDSL (High Bit-Rate) PE, PJ, PE 4PR 1000m Drum | 7.4 | 45 | 1000 | 53 |
| 10 | xDSL (High Bit-Rate) PE, PJ, APL/PE 10PR 1000m Drum | 10.8 | 65 | 1000 | 125 |
| 20 | xDSL (High Bit-Rate) PE, PJ, APL/PE 20PR 1000m Drum | 13.4 | 81 | 1000 | 209 |
| 50 | xDSL (High Bit-Rate) PE, PJ, APL/PE 50PR 1000m Drum | 19.0 | 114 | 1000 | 430 |
| 75 | xDSL (High Bit-Rate) PE, PJ, APL/PE 75PR 1000m Drum | 22.5 | 135 | 1000 | 458 |
| 100 | xDSL (High Bit-Rate) PE, PJ, APL/PE 100PR 1000m Drum | 25.7 | 155 | 1000 | 586 |
| 155 | xDSL (High Bit-Rate) PE, PJ, APL/PE 155PR 1000m Drum | 32.4 | 195 | 1000 | 874 |
| 205 | xDSL (High Bit-Rate) PE, PJ, APL/PE 205PR 1000m Drum | 35.5 | 213 | 1000 | 1114 |