

xDSL(HIGH BIT-RATE) UNDERGROUND CABLES (FILLED) 4 PAIR (un-Screened), 10 – 210 PAIRS (Screened) - Maximum Reference Frequency: 30 MHz

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.

CONSTRUCTION

CONDUCTORS	Plain annealed copper 0.50mm
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 & FILLING	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). Filling - The cable core is completely filled with a water blocking gel.
CORE WRAPPING	Water-blocking core binder tapes are applied
MOISTURE BARRIER/SCREEN	Aluminum 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 (m)	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	602
100	xDSL(High Bit-Rate) PE, PJ,APL/PE 100PR 1000m Drum	25.7	155	1000	778
155	xDSL(High Bit-Rate) PE, PJ,APL/PE 155PR 1000m Drum	32.4	195	1000	1260
205	xDSL(High Bit-Rate) PE, PJ,APL/PE 205PR 1000m Drum	35.5	213	1000	1652

