

DUCT CABLES

ALL DIELECTRIC METAL FREE CABLES

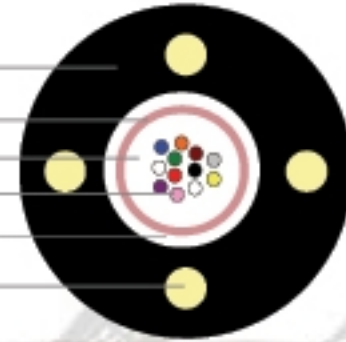
FEATURES/ADVANTAGES

- Suitable for blowing in ducts / uPVC pipes.
- Meets IEC 60794, EIA/TIA, ITU-T, EN 187000, RUS 1755.900 & Telecodia GR-20 International standards.

(A) UNITUBE DESIGN

The loose tube containing optical fibres and jelly is centrally placed. Non-metallic strength members (FRP) are embedded in the HDPE sheath for protection and strength.

OUTER SHEATH (PE)
 LOOSE TUBE WITH FIBRES
 FILLING JELLY
 OPTICAL FIBRE
 GLASSYARN REINFORCEMENT
 FR.P. ROD



PART NUMBER	FIBRE COUNT	DIAMETER (mm) Nominal	WEIGHT (Kg./Km) Nominal	TENSILE STRENGTH (N)		CRUSH RESISTANCE (N/10cm)	BENDING RADIUS (mm)	
				Installation (Short Term)	Operating (Long Term)		Temporary (10 x D of Cable) Dynamic	Permanent (20 x D of Cable) Static
D-12/SM/UT(4F&G)-MFP-B7.5	UP TO 12	7.5	46	1000	500	2000	75	150
D-24/SM/UT(4F&G)-MFP-B9.0	14 TO 24	9.0	68	1000	500	2000	90	180

(B) MULTITUBE DESIGN

The cable has multiple loose tubes containing optical fibres and jelly. Loose tubes are S-Z stranded around non metallic central strength member (FRP).



OUTER SHEATH (PE)
 POLYESTER TAPE
 FLOODING JELLY
 CENTRAL STRENGTH MEMBER
 LOOSE TUBE WITH FIBRES
 GLASSYARNS

PART NUMBER	FIBRE COUNT	DIAMETER (mm) Nominal	WEIGHT (Kg./Km) Nominal	TENSILE STRENGTH (N)		CRUSH RESISTANCE (N/10cm)	BENDING RADIUS (mm)	
				Installation (Short Term)	Operating (Long Term)		Temporary (10 x D of Cable) Dynamic	Permanent (20 x D of Cable) Static
D-72/SM/MTJ(F&G)-MFP-B11.5	UP TO 72	11.5	110	2000	1000	2000	115	230
D-96/SM/MTJ(F&G)-MFP-B13.0	74 TO 96	13.0	145	3000	1500	2000	130	260
D-144/SM/MTJ(F&G)-MFP-B16.5	98 TO 144	16.5	200	4000	2000	3000	165	330

(C) RIBBON FIBRE CABLES

Loose tubes containing fibres encapsulated in ribbon shape are S-Z stranded around a central strength member, sheathed with HDPE and an optional Nylon 12 jacket. A ribbon cable is suitable for high fibre count and reduces splicing time.



PART NUMBER	FIBRE COUNT	DIAMETER (mm) Nominal	WEIGHT (Kg./Km) Nominal	TENSILE STRENGTH (N)		CRUSH RESISTANCE (N/10cm)	BENDING RADIUS (mm)	
				Installation (Short Term)	Operating (Long Term)		Temporary (10 x D of Cable) Dynamic	Permanent (20 x D of Cable) Static
D-48/SM/MTJ(F)-PMFN-019.0	48	19.0	285	6000	3000	2000	190	380
D-96/SM/MTJ(F)-PMFN-019.0	96	19.0	285	6000	3000	2000	190	380
D-144/SM/MTJ(F)-PMFN-020.5	144	20.5	350	6000	3000	2000	205	410
D-288/SM/MTJ(F)-PMFN-025.0	288	25.0	520	8000	4000	2000	250	500
D-576/SM/MTJ(F)-PMFN-030.0	576	30.0	700	12000	6000	2000	300	600

*Options Available:

- Nylon/LSZH/FRPE as outer jacketing Available.
- Customised designs are available on request.
- Fibre options: SM (G652B/D, G 655 & G657), MM (OM1, OM2 & OM3).
- Dry core construction (non jelly) is optional.
- Rip Cord is optional.
- Composite of various types of fibres (SM & MM).
- Metallic central strength member option available.
- Higher fibre count cable designs are available on request.