

SPECIAL APPLICATION CABLES

(A) HYBRID CABLES

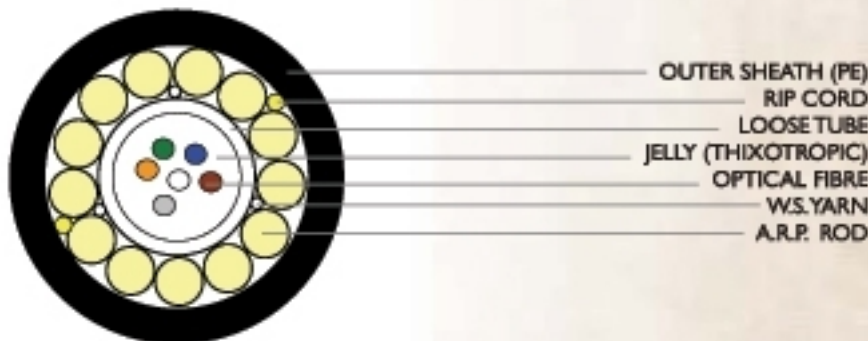
High performance Optical fibres are placed in gel-filled buffer tubes which are stranded around a dielectric central member. Water blocking tape are added to eliminate water ingress & migration. Periphere strength members are included to provide appropriate pulling tension performance. An insulated pair of copper conductor is used as one of the stranding elements for power transmissions to energies line components



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
O-12/SM.MTY(F)-P-B12.0	UPTO 12 F & 2 Copper Conductor	12.0	140	2700	1000	2000	120	240
O-36/SM.MTY(F)-P-B12.0	14 to 36 F & 2 Copper Conductor	12.0	145	2700	1000	2000	120	240
O-48/SM.MTY(F)-P-B13.0	38 to 48 F & 2 Copper Conductor	13.0	160	4000	2000	2000	130	260

(B) ALL PURPOSE CABLE

The loose tube containing fibres and jelly is protected by strength members aramid reinforced plastic rod. The ARP rod makes cable very flexible and provides good tensile strength and crush resistance. The cable can be installed on electric poles or directly buried or blown in ducts. The light weight and flexibility makes it ideal for FTTH application.

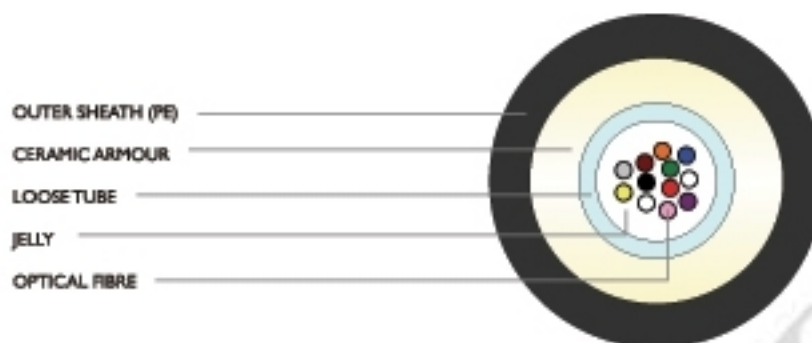


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				Installation (Short Term)	Operating (Long Term)		Temporary (10 x D of Cable) Dynamic	Permanent (20 x D of Cable) Static
A-6/SM/UT(13K)-MFP-B5.0	UPTO 6 F	5.0	20	800	400	2000	50	100



(C) CERAMIC ARMoured CABLE

The loose tube containing fibres and jelly is protected by dielectric rigid ceramic armour and sheathed with HDPE. This cable is non-metallic, rodent proof, moisture resistant with very high tensile and crush resistance. This cable can be used for aerial, direct burial and duct installation.



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				Installation (Short Term)	Operating (Long Term)		Temporary Dynamic	Permanent Static
B-12/SM/UT()-PrMFP-B8.0*	2 TO 12	8.0	60	1500	750	6000	240	320
A-12/SM/UT()-PrMFP-B6.0**	2 TO 12	6.0	38	1500	750	6000	180	240

*Suitable for Direct Burial Application. **Suitable for Aerial Application

(D) C TV CABLES - COST EFFECTIVE DESIGNS



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
A-12/SM/UT(2F&G)-MFP-B7.0	UP TO 12	7.0	42	1000	500	2000	70	140
A-24/SM/UT(2F&G)-MFP-B8.8	UP TO 24	9	65	1000	500	2000	90	180

***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.

