

# STEEL ARMoured CABLES

## DIRECT BURIAL INSTALLATION

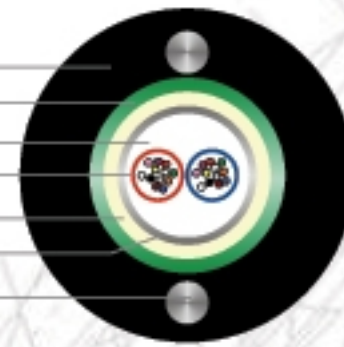
### FEATURES/ADVANTAGES

- The corrugated steel tape is co-polymer coated at both sides.
- ECCS Tape armouring provides excellent rodent/rough terrain protection.
- Meets IEC 60794, EIA/TIA, ITU-T, EN 187000, RUS 1755.900 & Telcordia GR-20 International standards.

### (A) UNITUBE DESIGN

Loose tube containing fibres and jelly is centrally located and additional glass reinforcements is applied to provide high tensile strength and cushion loose tube. An armour of corrugated steel tape provides high crush resistance & tensile strength. Steel wire strength members are embedded in HDPE sheath to provide extra tensile strength.

PE SHEATH  
CORRUGATED STEEL TAPE ARMOUR  
FILLING JELLY  
OPTICAL FIBRE BUNDLES  
GLASSYARN REINFORCEMENT  
LOOSE TUBE WITH FIBRES  
STEEL WIRE



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
B-12/SM/UT(ZW&G)-CCSTP-B9.0	UPTO 12	9.0	85	2000	1000	4000	90	180
B-24/SM/UT(ZW&G)-CCSTP-B10.0	14 TO 24	10.0	100	2000	1000	4000	100	200

### (B) MULTITUBE DESIGN

#### I. SINGLE SHEATH CONSTRUCTION

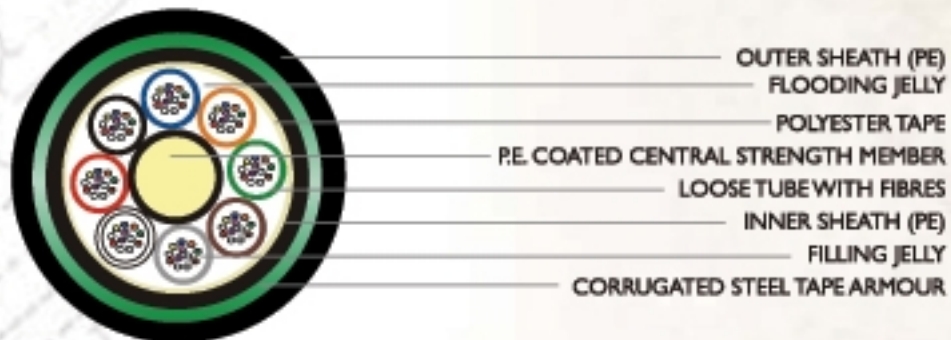


OUTER SHEATH (PE)  
FLOODING JELLY  
POLYESTER TAPE  
CENTRAL STRENGTH MEMBER  
LOOSE TUBE WITH FIBRES  
GLASSYARN REINFORCEMENT  
FILLING JELLY  
CORRUGATED STEEL TAPE ARMOUR

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
B-72/SM/MTJ(F&G)-CCSTP-B13.0	UPTO 72	13.0	155	4000	2000	4000	130	260
B-96/SM/MTJ(F&G)-CCSTP-B15.0	74 TO 96	15.0	215	5000	2700	4000	150	300

## 2. DOUBLE SHEATH CONSTRUCTION

Loose tubes containing fibres and jelly are stranded around a central strength member (FRP). An armour of corrugated steel tape provides the necessary strength required for direct burial applications.



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
B-72/SM/MTJ(F)-PCCSTP-B15.0	UP TO 72	15.0	215	4000	2000	4000	150	300
B-96/SM/MTJ(F)-PCCSTP-B18.0	74 TO 96	18.0	300	6000	3000	4000	180	360

### \*Options Available:

- 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.