



Specs and Techs: Heavy Duty Cale

Description:

Cable cables are designed considering the ease of installation required for the cables to be blown in duct systems. In this cable, optical fibres and filling gel is placed inside buffer tubes. The core is constructed by stranding the buffer tubes around FRP rod, the central strength member. For dual Layer another layer of buffer tubes are stranded over core. Water Swellable Yarn is provided over FRP Rod and core is wrapped with water swellable tape. The core is then covered with outer HDPE sheathing which protects the cable from the external environment. Ripcords are provided under the jacket for ease of entry.

Application:

- Underground cable and lashed aerial.
- Trunk, Distribution, Feeder Cables.
- Local loop, Metro & Long Haul.

Features:

- Available with up to 288 Fibre
- Multiple Fibre types including hybrids
- Wet Core Standard (Optional)

Rev Date: 6 August 2020



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Parameter	Dimensions / Layout											Type		
	4F	6F	8F	12F	24F	36F	48F	72F	96F	144F	288F			
Fibre Count	4F	6F	8F	12F	24F	36F	48F	72F	96F	144F	288F			
Numbers of fibres per tube	2	2	4	4	4	6	8	12	12	12	12	Glass Fibre		
Number of loose tubes	2	3	2	3	6	6	6	6	8	12	9+15	PBTP		
Loose tube ID/OD (mm)	1.2/1.8		1.2/1.9	1.4/2.0	2.2							PBTP		
Central Strength Member (mm)	1.9		2.0	2.1	2.3	2.5mm PE coated to 3.5mm		3.5mm PE coated to 6.3mm		3.0mm PE coated to 4.2mm		FRP Rod		
Moisture Barrier	Over FRP Rod											Water Swellable Yarn		
Core Wrapping	Over SZ Core											Water Swellable Yarn		
Outer Sheath	1.5mm (Nominal)											HDPE - Black		
Number of Ripcords	2											Polyester		
Cable Diameter	8.8 ± 0.5mm		9.0 ± 0.5mm		9.5 ± 0.5mm		10.0 ± 0.5mm		11.5 ± 0.5mm		14.0 ± 0.5mm		17.0 ± 1mm	
Cable Weight/km	60 ± 10kg/km		65 ± 10kg/km		70 ± 10kg/km		80 ± 10kg/km		100 ± 10 kg/km		160 ± 15 kg/km		210 ± 20 kg/km	

Colour Codes for Fibre and Tube



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