

INDOOR (Optical Fiber Cables)

Premises Distribution Cable: Up to 24F

Breakout Tight Buffer Unarmoured Cable: Up to 12F

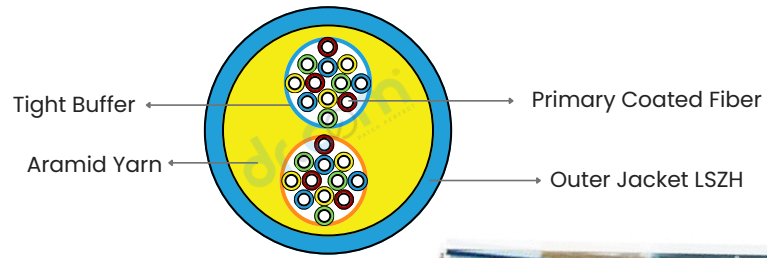
Key Features

- **Tight buffer fiber construction** for easy handling, stripping, and direct connector termination.
- **Aramid yarn strength members** to provide high tensile strength and protection to optical fibers.
- **LSZH (Low Smoke Zero Halogen) outer jacket** suitable for indoor installations and enhanced fire safety.
- **Supports multiple fiber types**, including Singlemode (G.652D, G.657) and Multimode (OM1, OM2, OM3, OM4).
- **Designed for indoor premises applications** such as LAN networks, building backbone cabling, and equipment connections.



*Images are for representation purpose only.

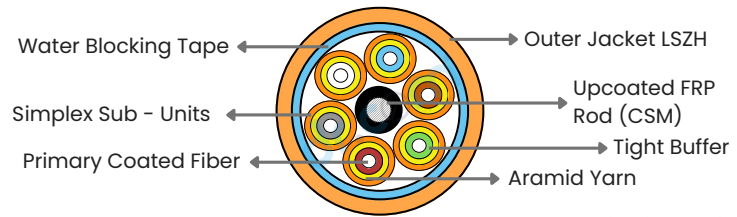
PREMISES DISTRIBUTION CABLE



Specification

Cable Type	Indoor tight-buffer distribution cable						
Reference Standard	IEC 60794, IEC 60793, ITU-T G.650, G.652, G.657, Telcordia GR-20						
Yarn	Aramid yarn						
Fiber Capacity	2F – 24F						
Strength Member	Aramid yarn reinforcement						
Fiber Construction	Tight buffered fibers bundled together						
Core Wrapping	Not typically required						
Jacket	UV stabilized LSZH FR - PVC						
Identification	Color-coded fibers						
Design Type	Gel-free design						
Network Applications	Building interconnections, LAN, riser & plenum						
Fiber Types Supported	SM: G.652D, G.657; MM: OM1, OM2, OM3, OM4						
Temperature (Operating)	-30°C to +70°C						
Installation Temperature	-20°C to +70°C						
Connector Compatibility	Easy to strip and terminate						
Technical Data	Fiber Count	2F - 4F	6F	8F	12F	16F	24F
	Outer Diameter	5.0mm ± 0.20mm	5.8mm ± 0.25mm	6.0mm ± 0.20mm	7.0mm ± 0.30mm	7.8mm ± 0.30mm	8.5mm ± 0.35mm
	Weight (kg/km)	27 kg ± 10%	34 kg ± 10%	40 kg ± 10%	50 kg ± 10%	60 kg ± 10%	72 kg ± 10%
Tensile Strength (N)	Temporary	1000	1000	1000	1000	1200	1200
	Permanent	500	500	500	500	600	600
Bending Radius	Temporary	15D	15D	15D	15D	15D	15D
	Permanent	20D	20D	20D	20D	20D	20D
Physical Properties	Cable length	2 km & above					
	Packing	Drum					
Printing Details	Available in Standard or Customised Printing Options						

BREAKOUT TIGHT BUFFER **UNARMoured CABLE**



Specification

Cable Type	Breakout tight-buffer unarmoured cable			
Reference Standard	IEC 60794, IEC 60793, ITU-T G.650, G.652, G.657, Telcordia GR-20			
FRP	1			
Yarn	GFR Aramid			
Fiber Capacity	4F – 12F			
Strength Member	Non-metallic anti buckling FRP rod as central strength member			
Fiber Construction	Individual 2.5 mm simplex sub-units			
Core Wrapping	S/Z core wrapped with water-blocking tape			
Jacket	UV stabilized LSZH FR - PVC			
Identification	Color-coded tight buffers			
Design Type	Gel-free design			
Network Applications	Office wiring, factory floor automation, backbone links			
Fiber Types Supported	SM: G.652D, G.657; MM: OM1, OM2, OM3, OM4			
Temperature (Operating)	-30°C to +70°C			
Installation Temperature	-20°C to +70°C			
Connector Compatibility	Compatible with standard fiber optic connectors			
Technical Data	Fiber Count	4F-6F	8F	12F
	Outer Diameter	10.4mm ± 0.5mm	12.1mm ± 0.5mm	15.1mm ± 0.60mm
	Weight (kg/km)	96 kg ± 10%	126 kg ± 10%	186 kg ± 10%
Tensile Strength (N)	Temporary	800	800	800
	Permanent	400	400	400
Bending Radius	Temporary	15D	15D	15D
	Permanent	20D	20D	20D
Physical Properties	Cable length	2 km & above		
	Packing	Drum		
Printing Details	Available in Standard or Customised Printing Options			

Fiber Transmission Performance

Parameters	Multimode				Single Mode
	OM1	OM2	OM3	OM4	G.652D
Fiber Core Diameter	62.5	50	50	50	9
Wavelengths(nm)	850 1300	850 1300	850 1300	850 1300	1310 150 1625
Maximum Attenuation (db/km)	3.5 1.5	3.0 1.0	3.0 1.0	3.0 1.0	0.36 0.23 0.26
Bandwidth (MHz*km) 850/1300	200 500	500 500	1500 500	3500 500	NA

Manufacturing Units

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