



Distribution Cable - 2-4 Fibres

OPTICAL CONNECTIVITY

enlighten FTTH Subscriber Distribution Cable

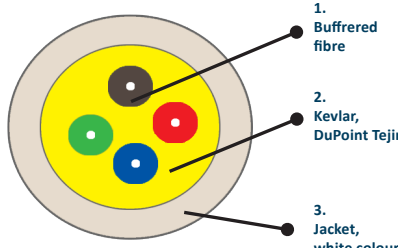
An ideal cable intended for visible installation by non-professionals (requires no expertise to install) in conjunction with FTTH and PON network roll-outs. The cable is white and unlabelled which makes it an optimal choice for use in modern and contemporary homes.

The cable is commonly used to interconnect the customer gateway/outlet and the Teleste fibre interface box (published in a separate datasheet). The cable consists of 2 or 4 fibres, 0.9 mm, and is available in different lengths. By default, high-quality SC-UPC/APC or LC-UPC connectors are terminated in one end. Other connector configurations can also be supplied, e.g. assemblies having connectors terminated in both ends. Our factory terminated connectors are inspected and measured after polishing. The limit values follows in the next page. Likewise we always measure the insertion loss (IL) and the return loss (RL), those are documented and an individual measurement report is

provided for each manufactured assembly. The cable consists of 2 or 4 fibres, 0.9 mm, and is available in different lengths. The connector terminated cable end is stripped, providing a stripped length of 30 cm for coiling of the fibres in gateways and outlets. In the transition between the jacket and the stripped fibres an effective bend/strain relief design is fitted to protect the cable from tight bends and fatigue loading. The cable incorporates Corning® ClearCurve® LBL optical fibre, a full-spectrum fibre with enhanced macrobend performance compared to traditional improved bend singlemode fibres.

TELESTE

enlighten OPTICAL PASSIVES / FTTH SUBSCRIBER DISTRIBUTION CABLE - 2/4 FIBRES

PERFORMANCE				
Attenuation	@1310 nm @1550 nm @1625 nm	≤ 0.38 dB/km ≤ 0.23 dB/km ≤ 0.25 dB/km		
Dimension	Clad. diameter Conc. Cable Diameter	125 ± 0.7 μm ≤ 8 μm Normal diameter 4.5 mm ±0.5	Non-circularity Buffer Diameter	≤ 1 % 0.85 ± 0.05 mm
Stripping	Coating stripping	1.3 ~ 8.9 N	Buffer stripping	≤ 16 N
Tension	Long term Short term 660 N	200 N	ARCHITECTURE  <p>Singlemode Distribution Cable LSZH, 1 Fiber, G.657:</p> <ol style="list-style-type: none"> 2/ 4pcs buffered fiber, LSZH jacket, blue, orange, green, brown, with Corning Clear-Curve LBL, G657 Kevlar, Dupont Teijin Jacket, UV stabilized & LSZH, thickness of 1.1 mm OD is 4,5 mm, white colour 	
Crush	Long term Short term 1000 N	200 N		
Impact	1 N.m, additional att. ≤ 0.05 dB			
Repeating tending	20 N, 300 cycles, additional att. ≤ 0.05 dB			
Torsion	20 N, 300 cycles, ±180°, additional att. ≤ 0.05dB			
Bending radius	Load Unload	50 mm 15 mm		
Insertion loss	SC/APC max/avr.	0,3/0,17dB		
RL	min. >65dB			
Temperature	Operating Storage	-40 °C to +70 °C -40 °C to +70 °C		
Measurments with interferometer	End face Radius LC/UPC Apex offset	5mm≤R≤25mm ≤ 50um		
Cleaning & Quality	Cleaning of connector end face Connectors manufactured accord.		According to IEC 61300-3-35 IEC 61754-4	
ORDERING INFORMATION				
G2 SC/UPC Pre-terminated Fiber Optic Assembly G2 4,5mm minibend, 1 x SC/UPC connector		G2 SC/APC Pre-terminated Fiber Optic Assembly G2 4,5mm minibend, 1 x SC/APC connector		
247896	5 m	247867	20 m	
247897	10 m	247926	30 m	
247529	15 m			
247871	20 m			
247922	25 m			
247898	30 m			
247899	50 m			
G2 LC/UPC Pre-terminated Fiber Optic Assembly G2 4,5mm minibend, 1 x LC/UPC connector		G2 SC/UPC + SC/APC Pre-terminated Fiber Optic Assembly G2 4,5mm minibend, SC/UPC + SC/APC connectors		
247996	25 m	247500	25 m	
247998	50 m	247501	50 m	
		247502	75 m	
G2 2 x SC/UPC Pre-terminated Fiber Optic Assembly G2 4,5mm minibend, 2 x SC/UPC connectors		G2 2 x LC/UPC Pre-terminated Fiber Optic Assembly G2 4,5mm minibend, 2 x LC/UPC connectors		
247514	25 m	247536	25 m	
247504	50 m			
G4 SC/UPC + SC/APC Pre-terminated Fiber Optic Assembly G4 4,5mm minibend, SC/UPC + SC/APC connectors				
247866	10 m			
247872	20 m			
247920	40 m			
Note: Other configurations and lengths available on request.				



TELESTE CORPORATION
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2-4F_FTTH_Subscriber Cable_240416

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