

UK DS Universal Drop Cable 16-24F 6.0mm



Indoor/Outdoor Universal Drop cable 16-24F (6mm)

Product Description

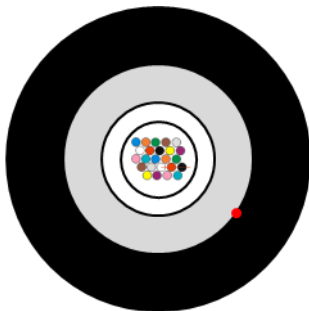
A universal drop cable design suitable for installation inside or outside of buildings. This cable offers a fire resistant low smoke zero halogen cable jacket for internal use but also includes a UV stable sheath for external use.

Cable Performance Standards IEC 60793-1, IEC 60793-2, IEC 60794-2

Cable CPR rating Dca-s2,d2,a1

Marking and Identification

Cable Cross section:



- 250µm Optical fibres in gel filled loose tube
- PBT central loose tube
- Glass Yarn
- Ripcord
- Outer sheath LSZH (Black), UV

Tube colour:

1

Fibre colours:

according to EIA 598.



1 Blue 2 Orange 3 Green 4 Brown 5 Grey 6 White 7 Red 8 Black 9 Yellow 10 Violet 11 Pink 12 Aqua

Fibres 13-24 Ring Marked

Sheath colour:

Cable sheath is Black

Cable Marking:

The outer sheath is marked in one meter intervals.

Emtelle FibreFast – Year/week – Fibre Count, Fibre Type – Product Code – Batch ID – Meter Mark

This document is intended as a guide only. Whilst the information it contains is believed to be correct, Emtelle can take no responsibility for actions taken based on the information contained in this document. Emtelle reserves the right to make changes to this document without notice. Purchase of Emtelle products does not convey any licence under patents or other intellectual property rights owned by third parties. All sales of product are subject to Emtelle's terms and conditions of sale only, which can be found on Emtelle's website. This document is protected by copyright (c) Emtelle Group [2025]. The products depicted are protected by intellectual property rights. Any unauthorized copying of this document or of our products is prohibited and Emtelle UK Limited will take action to prevent any infringement of its rights and to claim damages for the loss that it suffers. www.emtelle.com

UK DS Universal Drop Cable 16-24F 6.0mm

Specifications

Technical:

Fibre Count	16-24F	
Number of Fibres/Tube	16f	24f
Outer Sheath	low smoke zero halogen (LSZH UV)	
Cable Diameter – Ø (± 0.3 mm)	6.0 mm	6.5 mm
Peripheral Strength Member	Glass Yarns	
Cable Weight (kg /km) ± 20%	40.0 kg/km	47.0 kg/km
Minimum Bending Radius (Static)	10D	
Minimum Bending Radius (Dynamic)	20D	
Temperature Range	Transport & Storage	-20°C → +60°C
	Installation	-10°C → +60°C
	Operation	-20°C → +60°C

Performance:

Test	Standard	Specified Value
Tensile Performance	IEC 60794-1-21-E1	1000N
Crush	IEC 60794-1-21-E3	1000 N/100 mm
Impact	IEC 60794-1-21-E4	10 N.m
Torsion	IEC 60794-1-21-E7	±180°
Temperature Cycling	IEC 60794-1-22-F1	-20 °C to +70 °C
Minimum Bend Radius	IEC-60794-1-21-E11	20xD

Optical Parameters:

Description	G657A2	
Cladding diameter	125.0 ± 0.7 µm	
Cladding non-circularity	≤ 1.0 %	
Coating diameter	245± 10 µm(Before Colored)	
	250 ± 15 µm (Colored)	
Fiber curl (Radius)	≥ 4 m	
Core concentricity error	≤ 0.5 µm	
Mode field diameter at 1310 nm	8.6-9.5 ± 0.5 µm	
Point discontinuity	≤ 0.05dB	
Attenuation	1310 nm	≤ 0.36 dB/km
	1383 nm	≤ 0.36 dB/km
	1550 nm	≤ 0.22 dB/km
	1625 nm	≤ 0.26 dB/km
Dispersion	1288 – 1339 nm	≤ 3.5 ps/(nm·km)
	1271 – 1360 nm	≤ 5.3 ps/(nm·km)
	1550 nm	≤ 18 ps/(nm·km)
Zero dispersion wavelength	1300 – 1324 nm	
Zero dispersion slope	≤ 0.092 ps/(nm ² ·km)	
Cable cut-off wavelength	≤ 1260 nm	
Polarization mode dispersion individual fiber	≤ 0.2 ps/√km	
Polarization mode dispersion design link value (M=20, Q=0.01%)	≤ 0.1 ps/√km	
Macro-bend loss (10 turns, 15mm radius,)	≤0.03 dB at 1550nm	
	≤ 0.1 dB at 1625nm	
Macro-bend loss (1 turns, 10mm radius,)	≤ 0.1 dB at 1550nm	

This document is intended as a guide only. Whilst the information it contains is believed to be correct, Emtelle can take no responsibility for actions taken based on the information contained in this document. Emtelle reserves the right to make changes to this document without notice. Purchase of Emtelle products does not convey any licence under patents or other intellectual property rights owned by third parties. All sales of product are subject to Emtelle's terms and conditions of sale only, which can be found on Emtelle's website. This document is protected by copyright (c) Emtelle Group [2025]. The products depicted are protected by intellectual property rights. Any unauthorized copying of this document or of our products is prohibited and Emtelle UK Limited will take action to prevent any infringement of its rights and to claim damages for the loss that it suffers. www.emtelle.com

UK DS Universal Drop Cable 16-24F 6.0mm

	≤ 0.2 dB at 1625nm
Macro-bend loss (1 turns, 7.5mm radius,)	≤ 0.5 dB at 1550nm
	≤ 1.0 dB at 1625nm
Proof stress level	≥ 100 kpsi (0.69 GPa)

Packaging and Labelling

All products suitably packaged in recyclable materials and clearly labelled with Emtelle Product Code and Description where possible.

Wooden drums with protection.

END OF SPECIFICATION