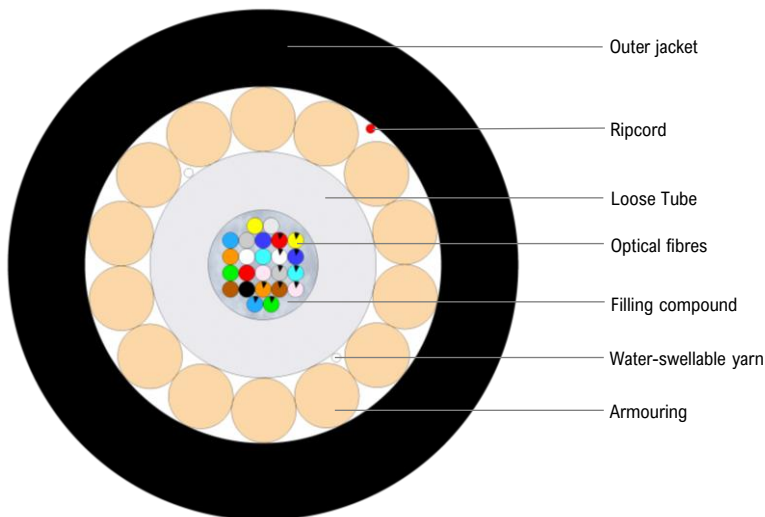


# Outdoor FRP armoured Unitube Cable

Full dielectric self-supporting armoured Fibre Optic Cable with a high degree of protection against rodents for direct laying into the ground, aerial installation or pulling into ducts.



Fibre count	up to 24	
Fibre Type	G.652.D, G.657.A1, G.657.A2, G.655, OM1, OM2, OM2+, OM3, OM4	
Fibre colour	1-12 Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua 13-24 Blue <sup>BS</sup> , Orange <sup>BS</sup> , Green <sup>BS</sup> , Brown <sup>BS</sup> , Grey <sup>BS</sup> , White <sup>BS</sup> , Red <sup>BS</sup> , Natural, Yellow <sup>BS</sup> , Violet <sup>BS</sup> , Pink <sup>BS</sup> , Aqua <sup>BS</sup>	( <sup>BS</sup> Black strip)
Tube	Gel-Filled PBT buffer tube	
Tube colour	Natural / White	
Tube diameter	3.5 mm	
Filling compound	Low-viscosity filling gel	
Strength member (Armouring)	FRP rods	
Ripcord	1x under outer jacket	
Outer jacket	UV resistant black HDPE	
Jacket thickness	1.2 mm	

Cable outer diameter	7.9	[mm]	
Max. Loading (Short Term)	2500	[N]	EN 60794-1-21-E1
Max. Loading (Long Term)	700	[N]	EN 60794-1-21-E1
Max. compressive loading	3000	[N]	EN 60794-1-21-E3
Max. Impact loading	20	[Nm]	EN 60794-1-21-E4
Min. bend radius	100	[mm]	EN 60794-1-21-E11A
Operating temperature range	-40 to +70	[°C]	EN 60794-1-22-F1
Storage temperature range	-40 to +70	[°C]	EN 60794-1-22-F1
Installation temperature range	-5 to +50	[°C]	EN 60794-1-22-F1
Freezing resistance	Pass		EN 60794-1-22-F15
Water tightness	No water detected on free end		EN 60794-1-22-F5
Cable Weight (calc.)	61	[kg/km]	
Class of fire reaction	F <sub>ca</sub>		

Marking Method	Ink-Jet
Print legend	OPK –cable type – lot number- length marking per 1 m (customer print legend available on request)
Delivery length	2000 m±5% on plywood reel or solid wooden non-returnable drum

Fibre count	Cable Code (Ordering Code)	Installation Sag	Load level (NESC)	Maximum Span
2	OPK-O-CTFR-2(1x3.5)LTFP-xx-BK	1.5 %	Light	150 m
4	OPK-O-CTFR-4(1x3.5)LTFP-xx-BK	1.5 %	Medium	100 m
6	OPK-O-CTFR-6(1x3.5)LTFP-xx-BK	1.5 %	Heavy	50 m
8	OPK-O-CTFR-8(1x3.5)LTFP-xx-BK			
12	OPK-O-CTFR-12(1x3.5)LTFP-xx-BK	3 %	Light	200 m
16	OPK-O-CTFR-16(1x3.5)LTFP-xx-BK	3 %	Medium	120 m
24	OPK-O-CTFR-24(1x3.5)LTFP-xx-BK	3 %	Heavy	60 m

xx – fiber type