

Nexans Ref.: 10571947
Country Ref.: 1007647
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Type QXXE Ultimate™ is a loose tube fibre optical cable. The cable type is intended for use in regional, urban, and area property networks.

STANDARDS

Product IEC 60794

Test IEC 60793

International ITU-T Rec. G.650; ITU-T Rec. G.652

The cable type is longitudinally water-blocked and intended for outdoor use (in ducts). The design can incorporate 12 to 288 fibres in loose tubes. The individually coloured fibres are tubed in groups of maximum 12 or 24 and stranded onto a central dielectric fibre reinforced strength member (FRP). The cable type is longitudinal water-blocked through the use of swellable yarn and sheathed with halogen-free black polyethylene.



Halogen free
Yes



Operating temp.
-40 ... 70 °C



Ambient installation T °C range
-15 ... 50 °C



Storage temperature, range
-40 ... 70 °C



Bending factor installed
10 (xD)



Dynamic bending factor
15 (xD)

CHARACTERISTICS

Construction characteristics

Construction type	Loose tube, SZ
Fiber optic type	SingleMode 9/125
Type of secondary protection	Loose tube
Outer sheath	PE-HD
Sheath colour	Black
Material used for longitudinal water tightness	Swellable yarn
Halogen free	Yes
Metal free	Yes
Length water tightness Tube	Vaseline
Number of tube layer 1	8
Strength member	Central FRP

Dimensional characteristics

Number of optical fibres, range	2 ... 288
Number of optical fibres	96
Average sheath thickness	0.4 mm
Approximate weight	40 kg/km
Central strength member size	2.7 mm
Diameter over assembly	6.0 mm
Max. number of fibres per tube	12
Nominal outer diameter	6.8 mm
Tube diameter	1.6 mm

Mechanical characteristics

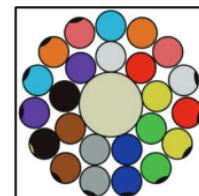
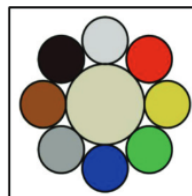
Maximum pulling force by laying	0.6 kN
Maximum permanent tensile load	0.25 kN
Crush resistance (EN 187 000)	1 kN
Impact resistance (EN 187 000)	5 J













Usage characteristics

Installation type	Outdoor - Duct
Operating temperature, range	-40 ... 70 °C
Ambient installation temperature, range	-15 ... 50 °C
Storage temperature, range	-40 ... 70 °C
Bending factor when installed	10 (xD)
Dynamic bending factor	15 (xD)

COLOR CODE

Fargekoder for fiber og rør



FARGEKODE LOOSE TUBE FIBERKABEL			
Fiber nr.	Farge	Fiber nr.	Farge/strek
1	hvit	13	hvit + 
2	rød	14	rød + 
3	gul	15	gul + 
4	grønn	16	grønn + 
5	blå	17	blå + 
6	grå	18	grå + 
7	brun	19	brun + 
8	sort	20	klar + 
9	fiolett	21	fiolett + 
10	turkis	22	turkis + 
11	orange	23	orange + 
12	rosa	24	rosa + 
Rørfargene følger fiberfargene			
Landkabler med norsk 4 bokstavkode			

På kabler hvor fargerekkefølgen på rørene ikke følger fiberfargene gjelder følgende:

Kabler oppbygd av ett lag med fiberrør:
Rør nr. 1 er rødt, rør nr. 2 er grønt, resten er hvite.

Kabler med flere lag fiberrør:
I hvert lag er rør nr. 1 rødt, rør nr. 2 grønt, resten hvite.

Fiber nr. 1 finnes i det innerste laget på kabelaen.

SELLING AND DELIVERY INFORMATION

The outer sheath of the cable is marked with cable type, manufacturer, identification number and meter marking. The cable is delivered on wooden recyclable drums in lengths according to arrangement. The drum is marked with the cable type, length, rolling direction and installation information. Cable ends closed with end cap.