

# QXXE Ultimate™

G12/T12 G652D/G657A1 QXXE Ultimate™

Nexans Ref.: 10571943

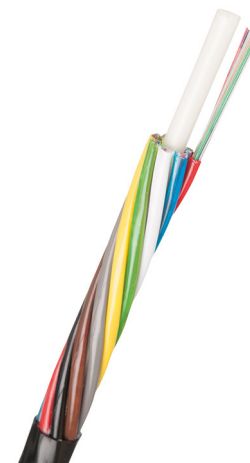
Country Ref.: 1007643

EAN 13: 7330000167179

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

## DESCRIPTION

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.



## STANDARDS

**International** IEC 60793;  
IEC 60794; ITU-T Rec. G.650;  
ITU-T Rec. G.652



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)

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### 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	6
Strength member	Central FRP

#### Dimensional characteristics

Number of optical fibres, range	2 - 288
Number of optical fibres	12
Average sheath thickness	0.4 mm
Approximate weight	30 kg/km
Central strength member size	1.7 mm
Diameter over assembly	5.0 mm
Max. number of fibres per tube	12
Nominal outer diameter	5.8 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)

### 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.