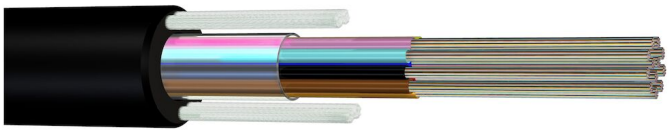
QXAI MSHEATH, Dca INDOOR/OUTDOOR

QXAI µSHEATH, Dca INDOOR/OUTDOOR



GENERAL INFO

Robust backbonecable that is well suited for LAN and WAN. Intended for both indoor and outdoor installations. The cable is metal-free with a temperature range adapted to Norwegian conditions. UV-stabilized outer jacket, dry core with swelling agent to prevent longitudinal water ingress. The cable can be installed in pipes, ducts, cable bridges and ladders. 4 FRP elements in the outer sheath provide high tensile strength and some stiffness which is an advantage when blowing or pulling into ducts. The cable feature the µsheath module(fiber tubes), which provides very good stripping properties(no tools needed) in addition to being flexible and easy to handle when splicing and terminating.

CERTIFICATIONS AND DESIGN STANDARDS

Eca CPR Dca CPR

IEC 60794-1	Optical fibre cables, test methodes
IEC 60794-2	Optical fibre cables, indoor cables specifications
EN 50173-1	Generic cabling systems
ISO/IEC 11801	Generic cabling system

CABLE CONSTRUCTION

Longitudinal water blocking cable	Yes
Material outer sheath	Thermoplastic polymer
Type of tube	Other
Cable metal free	Yes
Cable shape	Round

APPLICATION PROPERTIES

With strain relief	Yes
Min. outer temperature, fixed installation [°C]	-30
Max. outer temperature, fixed installation [°C]	60
Crush (acc. IEC 60794-1-21, E3) [N/10cm]	2,000
UV resistant	Yes
Outdoor installation	Yes
Min. outer temperature during installation [°C]	-5
Max. outer temperature during installation [°C]	40
Kink, no kink at loop diameter (acc. IEC 60794-1-21 E10) [mm]	70
Duct suitable	Yes
Bending radius (rule)	Installation: 5 x D Operation: 10 xD
Blow in	Yes

FIRE PROPERTIES

Flame retardant	In accordance with EN/IEC 60332-3-24
Halogen free (acc. IEC 60754-2)	Yes
Low smoke (acc. IEC 61034-2)	Yes
Reaction-to-fire class (acc. EN 13501-6)	Dca
Smoke development class (acc. EN 13501-6)	s1b
Euro class flaming droplets/particles (acc. EN 13501-6)	d2
Euro class acidity (acc. EN 13501-6)	a1

PRODUCT ORDER DATA

Product name	Colour outer sheath	SAP	EL no.	Packaging type
G12-9 QXAI MSHEATH GC	Black	60089284	1005768	Drum
G24-9 QXAI MSHEATH GC	Black	60085762	1004207	Drum
G48-9 QXAI MSHEATH GC	Black	60085763	1004215	Drum
G96-9 QXAI MSHEATH GC	Black	60089285	1005769	Drum
G144-9 QXAI MSHEATH GC	Black	60089283	1004216	Drum

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CABLE PROPERTIES 01(PER ITEM)

Product name	Nominal outer diameter [mm]	Fire load [MJ/km]	Max. tensile strength during installation [kN]	Cable weight [kg/km]	DOP number	SAP
G12-9 QXAI MSHEATH GC	7		1.1	51	000188	60089284
G24-9 QXAI MSHEATH GC	7		1.15	51	000188	60085762
G48-9 QXAI MSHEATH GC	8		1.55	68	000188	60085763
G96-9 QXAI MSHEATH GC	13		2.75	160	000188	60089285
G144-9 QXAI MSHEATH GC	13		2.75	160	000188	60089283

CABLE PROPERTIES 02(PER ITEM)

Product name	Fibre type	Number of fibres	Number of fibres per tube	Category (fibre)	Fibre datasheet	SAP
G12-9 QXAI MSHEATH GC	Single mode 9/125	12	12	OS2	C17	60089284
G24-9 QXAI MSHEATH GC	Single mode 9/125	24	12	OS2	C17	60085762
G48-9 QXAI MSHEATH GC	Single mode 9/125	48	12	OS2	C17	60085763
G96-9 QXAI MSHEATH GC	Single mode 9/125	96	12	OS2	C17	60089285
G144-9 QXAI MSHEATH GC	Single mode 9/125	144	12	OS2	C17	60089283