

QXXI-I/O(N01a)

1800N, universal, ST, up to 288f, LWB, FireBur sheath



GENERAL INFO

This is a Universal indoor/outdoor cable for application as a trunk cable in LAN, MAN and WAN backbones. The cable can be installed ducts and on cable trays. The cable may be installed directly in the ground with proper sand filling.

CERTIFICATIONS AND DESIGN STANDARDS

Eca
CPR

EN 50173-1
ISO/IEC 11801
IEC 60794-1
IEC 60794-2
IEC 60794-6-10

Generic cabling systems
Generic cabling system
Optical fibre cables, test methods
Optical fibre cables, indoor cables specifications
Family specification for universal indoor-outdoor cables

CABLE CONSTRUCTION

Longitudinal water blocking cable	Yes
Radial water blocking cable	Yes
Material outer sheath	Low smoke zero halogen
Type of tube	Stranded loose tube
Cable metal free	Yes
Cable shape	Round

APPLICATION PROPERTIES

With strain relief	Yes
Min. outer temperature, fixed installation [°C]	-40
Max. outer temperature, fixed installation [°C]	70
Torsion (acc. IEC 60794-1-21, E7)	5 cycles ± 1 turn
Crush (acc. IEC 60794-1-21, E3) [N/10cm]	2,000
UV resistant	Yes
Outdoor installation	Yes
Min. outer temperature during installation [°C]	-20
Max. outer temperature during installation [°C]	60
Kink, no kink at loop diameter (acc. IEC 60794-1-21 E10) [mm]	100
Duct suitable	Yes
Underground installation	Yes
Bending radius (rule)	During installation (loaded) = 20xOD, Permanent (unloaded) = 10xOD

FIRE PROPERTIES

Flame retardant	Yes
Reaction-to-fire class (acc. EN 13501-6)	Eca

PRODUCT ORDER DATA

Product name	Colour outer sheath	SAP	EL no.	Packaging type
G12-9/125 QXXI-I/O-JM/W-GuI_N01a	Yellow	60112049	1080200	Drum
G24-9/125 QXXI-I/O-JM/W GuI_N01a	Yellow	60112107	1080201	Drum
G48-9/125 QXXI-I/O-JM/W GuI_N01a	Yellow	60111987	1080202	Drum
G96-9/125 QXXI-I/O-JM/W GuI_N01a	Yellow	60112145	1080203	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
G12-9/125 QXXI-I/O-JM/W-GuI_N01a	10.6	2,268	1.8	88	1018984	60112049
G24-9/125 QXXI-I/O-JM/W GuI_N01a	10.6	2,254	1.8	88	1018919	60112107
G48-9/125 QXXI-I/O-JM/W GuI_N01a	10.6	2,227	1.8	88	1019002	60111987
G96-9/125 QXXI-I/O-JM/W GuI__N01a	11.8	2,690	1.8	115	1019012	60112145

CABLE PROPERTIES 02(PER ITEM)

Product name	Fibre type	Number of fibres	Number of fibres per tube	Category (fibre)	Fibre datasheet	SAP
G12-9/125 QXXI-I/O-JM/W-GuI_N01a	Single mode 9/125	12	12	OS2	C17	60112049
G24-9/125 QXXI-I/O-JM/W GuI_N01a	Single mode 9/125	24	12	OS2	C17	60112107
G48-9/125 QXXI-I/O-JM/W GuI_N01a	Single mode 9/125	48	12	OS2	C17	60111987
G96-9/125 QXXI-I/O-JM/W GuI__N01a	Single mode 9/125	96	12	OS2	C17	60112145