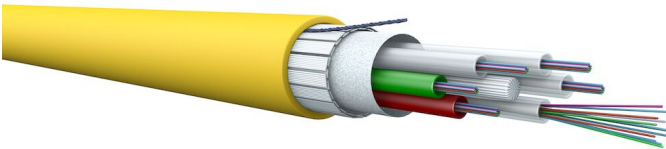


QXAI I/O 5KN(N08A)

5000N, universal, ST, up to 432f, LWB, FireRes sheath



GENERAL INFO

Universal indoor/outdoor cable for LAN, MAN and WAN backbone. Degree of rodent protection, effective in many cases. This innovative cable is Class-Dca approved, flame retardant with gel-filled tubes and water-blocked characteristics. With its FireRes® LSHF-FR sheathing this cable is ideal for mixed indoor and limited outdoor installation. It is equally suited for installation in ducts and on trays.

CERTIFICATIONS AND DESIGN STANDARDS



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

Generic cabling systems
Generic cabling system
Optical fibre cables, test methodes
Optical fibre cables, indoor cables specifications

APPLICATION PROPERTIES

Resistant to UV	UV stabilised		
With rodent protection	Yes		
Min. outer temperature, fixed installation [°C]	-40	(max) [°C]	70
Min. outer temperature during installation [°C]	-20	(max) [°C]	60
Outdoor installation	Yes		
Bending radius (rule)	During installation (loaded) = 20xOD, Permanent (unloaded) = 10xOD		

CABLE CONSTRUCTION

Longitudinal water blocking cable	Yes
Radial water blocking cable	Yes
Armouring/reinforcement	Yarns
Armouring/reinforcement material	E-glass yarns
Material outer sheath	Low smoke zero halogen
Cable shape	Round
With rodent protection	Yes

COLOUR CODE

Tube Identification	1. Red 2. Green 3. White 4. White Continues with white tubes/fillers until end(indicated by the red tube)	Alternative(new from 2020/21): Different colours as for fiber colour code(see below)
Fiber colour code	1. White 2. Red 3. Yellow 4. Green 5. Blue 6. Grey 7. Brown 8. Black 9. Violet 10. Turquoise 11. Orange 12. Pink	13. White + Mark every 70mm 14. Red + Mark every 70mm 15. Yellow + Mark every 70mm 16. Green + Mark every 70mm 17. Blue + Mark every 70mm 18. Grey + Mark every 70mm 19. Brown + Mark every 70mm 20. White + Mark every 35mm 21. Violet + Mark every 70mm 22. Turquoise + Mark every 70mm 23. Orange + Mark every 70mm 24. Pink + Mark every 70mm

MECHANICAL PROPERTIES

Max. tensile strength during installation [N]	5,000
Crush (acc. IEC 60794-1-21, E3) [N/10cm]	
Kink, no kink at loop diameter (acc. IEC 60794-1-21 E10) [mm]	

FIRE PROPERTIES

Flame retardant	In accordance with EN/IEC 60332-3-24
Reaction-to-fire class (acc. EN 13501-6)	Dca
Smoke development class (acc. EN 13501-6)	s1
Euro class flaming droplets/particles (acc. EN 13501-6)	d1
Euro class acidity (acc. EN 13501-6)	a1

CABLE DETAILS

Product name	Colour outer sheath	Number of fibres	Category (fibre)	Fibre datasheet	DOP number	SAP	EL no.
G24-9/125 QXAI-I/O/DT/RG-JM/W(N08a)	Yellow	24	OS2	C17	1016069	60103025	1080077
G48-9/125 QXAI-I/O/DT/RG-JM/W(N08a)	Yellow	48	OS2	C17	1016066	60102998	1080078
G96-9/125 QXAI-I/O/DT/RG-JM/W(N08a)	Yellow	96	OS2	C17	1016067	60102999	1080079
G144-9/125 QXAI-I/O/DT/RG-JM/W(N08a)	Yellow	144	OS2	C17	1016068	60103000	1080080
G192-9/125 QXAI-I/O/DT/RG-JM/W(N08a)	Yellow	192	OS2	C17	1016230	60103026	1080081

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CABLE DETAILS(EXTRA)

Product name	Nominal outer diameter [mm]	Number of fibres	Number of fibres per tube	Cable weight [kg/km]	SAP
G24-9/125 QXAI-I/O/DT/RG-JM/W(N08a)	11.2	24	12	122	60103025
G48-9/125 QXAI-I/O/DT/RG-JM/W(N08a)	11.2	48	12	128	60102998
G96-9/125 QXAI-I/O/DT/RG-JM/W(N08a)	12.8	96	12	169	60102999
G144-9/125 QXAI-I/O/DT/RG-JM/W(N08a)	15.6	144	12	260	60103000
G192-9/125 QXAI-I/O/DT/RG-JM/W(N08a)	15	192	24	222	60103026