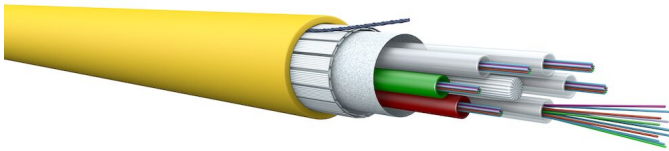


## QXAI I/O 5KN(N08A)

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



Dca  
CPR

### GENERAL INFO

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

### CERTIFICATIONS AND DESIGN STANDARDS



**CE RoHS**

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

Generic cabling systems  
Generic cabling system  
Optical fibre cables, test methods  
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	<ol style="list-style-type: none"> <li>1. Red</li> <li>2. Green</li> <li>3. White</li> <li>4. White</li> </ol> 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	<ol style="list-style-type: none"> <li>1. White</li> <li>2. Red</li> <li>3. Yellow</li> <li>4. Green</li> <li>5. Blue</li> <li>6. Grey</li> <li>7. Brown</li> <li>8. Black</li> <li>9. Violet</li> <li>10. Turquoise</li> <li>11. Orange</li> <li>12. Pink</li> </ol>	<ol style="list-style-type: none"> <li>13. White + Mark every 70mm</li> <li>14. Red + Mark every 70mm</li> <li>15. Yellow + Mark every 70mm</li> <li>16. Green + Mark every 70mm</li> <li>17. Blue + Mark every 70mm</li> <li>18. Grey + Mark every 70mm</li> <li>19. Brown + Mark every 70mm</li> <li>20. White + Mark every 35mm</li> <li>21. Violet + Mark every 70mm</li> <li>22. Turquoise + Mark every 70mm</li> <li>23. Orange + Mark every 70mm</li> <li>24. Pink + Mark every 70mm</li> </ol>

## MECHANICAL PROPERTIES

Max. tensile strength during installation [N]	500
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.
G12-9/125 QXAI-I/O/DT/RG-JM/W(N08)	Yellow	12	OS2	C17	1016704	60105464	1080097
G24-9/125 QXAI-I/O/DT/RG-JM/W(N08)	Yellow	24	OS2	C17	1016069	60103025	1080077
G48-9/125 QXAI-I/O/DT/RG-JM/W(N08)	Yellow	48	OS2	C17	1016066	60102998	1080078
G96-9/125 QXAI-I/O/DT/RG-JM/W(N08)	Yellow	96	OS2	C17	1016067	60102999	1080079
G144-9/125 QXAI-I/O/DT/RG-JM/W(N08)	Yellow	144	OS2	C17	1016068	60103000	1080080
G192-9/125 QXAI-I/O/DT/RG-JM/W(N08)	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
G12-9/125 QXAI-I/O/DT/RG-JM/W(N08)	11.2	12	12	122	60105464
G24-9/125 QXAI-I/O/DT/RG-JM/W(N08)	11.2	24	12	122	60103025
G48-9/125 QXAI-I/O/DT/RG-JM/W(N08)	11.2	48	12	128	60102998
G96-9/125 QXAI-I/O/DT/RG-JM/W(N08)	12.8	96	12	169	60102999
G144-9/125 QXAI-I/O/DT/RG-JM/W(N08)	15.6	144	12	260	60103000
G192-9/125 QXAI-I/O/DT/RG-JM/W(N08)	15	192	24	222	60103026