

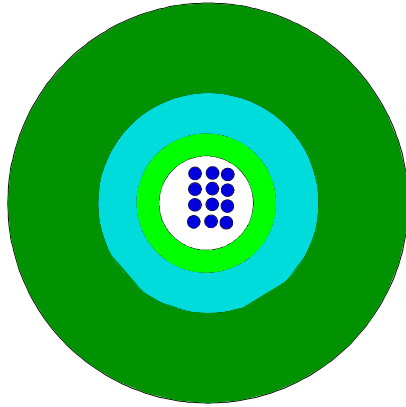


## QXAI-I/O/RG-JS/W

### 2 – 24 fibre central tube cable w. FireBur® sheath, IEC 60332-1

EN 50173-1:2002

IEC 60794-2-20



### Application

LAN backbones  
Telecom access lines  
Campus networks

### Standards

ISO 11801 2<sup>nd</sup> edition  
EN 50173-1:2002  
IEC 60794-1

### Construction

Loose tube	ø2.8 mm jelly filled loose tube with 2 – 16 fibres; ø3.5 mm loose tube with 24 fibres
Strength member	Waterblocked E-Glass fibre elements
Sheath	1.5 mm green FireBur® sheath, UV stabilised, IEC 50290-2-27

### Fire rating

IEC 60332-1-2	Single vertical wire test,
IEC 60754-1	No halogens
IEC 60754-2	No acid matters
IEC 61034-2	No dense smoke

### Heat of combustion

2-16 fibres:	1100 MJ/km	0.31 kWh/m
24 fibres:	1300 MJ/km	0.36 kWh/km



## QXAI-I/O/RG-JS/W

### Physical properties

IEC 60794-1

Nominal outer diameter	-	2 - 16 fibres: 7.5 mm 24 fibres: 8.0 mm
Nominal weight	-	2 - 16 fibres: 55 kg/km 24 fibres: 60 kg/km
Maximum installation tensile strength	E1	1500 N (fibre strain less than 1/2 of proof test level)
Short term tensile strength	E1	1000 N (fibre strain less than 1/3 of proof test level)
Permanent tensile strength	E1	700 N (no attenuation change, fibre strain less than 1/4 of proof test level)
Compressive strength (crush)	E3	2000N
Impact	E4	20 Nm (no attenuation change, no broken cable elements)
Torsion	E7	5 cycles $\pm$ 1 turn
Kink	E10	The cables do not form a kink when a loop is drawn together to a diameter of 200 mm
Min. Bending radius, unloaded	E11	R = 60 mm
Min. Bending radius, loaded	-	R = 100 mm
Temperature range	F1	Storage: -40°C to +60°C (short term up to 70 °C) Installation: -15°C to +40°C Operation: -30°C to +70°C.
Water penetration	F5B	No water on free end

### Transmission characteristics

IEC 60793-2

Refer to the fibre data sheets

### Ordering information

9/125 fibre (SMF652.D), Blue*		50/125 fibre (MMF50HiCap), Orange*		62.5/125 fibre (MMF62HiCap), Grey*	
Part no.	Cable code	Part no.	Cable code	Part no.	Cable code
698310	G2-9/125 QXAI-I/O/RG-JS/W	698312	G2-50/125 QXAI-I/O/RG-JS/W	698314	G2-62.5/125 QXAI-I/O/RG-JS/W
698320	G4-9/125 QXAI-I/O/RG-JS/W	698322	G4-50/125 QXAI-I/O/RG-JS/W	698324	G4-62.5/125 QXAI-I/O/RG-JS/W
698340	G8-9/125 QXAI-I/O/RG-JS/W	698342	G8-50/125 QXAI-I/O/RG-JS/W	698344	G8-62.5/125 QXAI-I/O/RG-JS/W
698350	G12-9/125 QXAI-I/O/RG-JS/W	698352	G12-50/125 QXAI-I/O/RG-JS/W	698354	G12-62.5/125 QXAI-I/O/RG-JS/W
698380	G24-9/125 QXAI-I/O/RG-JS/W	698382	G24-50/125 QXAI-I/O/RG-JS/W	698384	G24-62.5/125 QXAI-I/O/RG-JS/W

\*)-Standard colours of outer sheath