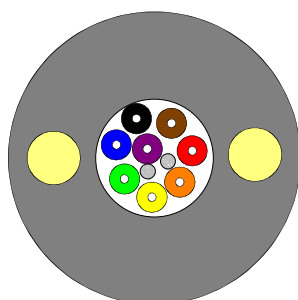


AXXI-I/O-W, trunk cable

4 – 24 fibres cable for combined indoor and outdoor use, LSOH sheath, non-metallic, tight buffer

EN 50173-1:2002

IEC 60794-2-20



Application

As backbone in LAN's
 For premises wiring
 Indoor and outdoor

Special features

Extremely robust construction
 Wide temperature range for worldwide use
 Completely dry longitudinal water blocked construction

Standards

EN 187 000
 IEC 60794-2
 IEC 60794-2-20
 ISO 11801 2nd edition
 EN 50 173-1

Construction

Fibre	4 - 24 tightly buffered fibres 900 $\mu\text{m} \pm 50 \mu\text{m}$. For colour coding please see separate specification sheet
Strength member	2 FRP strength elements
Sheath	LSOH fire retardant, UV stabilised, EN 50290-2-27

Fire rating

IEC 60332-1-2	Single vertical wire test,
IEC 60332-3-24 = IEC 332-3C	Vertically-mounted bunched wires and cables
IEC 60754-1	No halogens
IEC 60754-2	No acid matters
IEC 61034-2	No dense smoke

AXXI-I/O-W, trunk cable

Heat of combustion

4	2200 MJ/km	0.61 KWh/m
8	2350 MJ/km	0.65 KWh/m
12	2400 MJ/km	0.67 KWh/m
24	3000 MJ/km	0.83 KWh/m

Physical properties

IEC 60974-1-2

Permanent tensile strength	E1	500 N
Short term tensile strength (some days)	E1	800 N
Impact	E4	20 J
Crush (compressive strength)	E3	3000 N/ 100 mm
Torsion	E7	5 cycles \pm 1 turn
Temperature range	F1	Operation -40 °C to 70 °C Installation -10 °C to 60 °C Storage -40 °C to 70 °C
Water tightness	F5B	Pass

Mechanical properties

Fibre count	Nominal diameter	Nominal cable weight	Minimum bending radius
4	9.6 mm	95 kg/km	75 mm
8	9.6 mm	97 kg/km	75 mm
12	9.9 mm	100 kg/km	75 mm
24	10.8 mm	134 kg/km	75 mm

Transmission characteristics

IEC 60793-2

Refer to the fibre data sheets

Ordering information

9/125 fibre (SMF652.D), Black*		50/125 fibre (MMF50HiCap), Black*		62.5/125 fibre (MMF62HiCap), Black*	
9/125 fibre		50/125 fibre		62.5/125 fibre	
Part no.	Cable code	Part no.	Cable code	Part no.	Cable code
695720	G4-9/125 AXXI-I/O-W	695722	G4-50/125 AXXI-I/O-W	695724	G4-62.5/125 AXXI-I/O-W
695740	G8-9/125 AXXI-I/O-W	695742	G8-50/125 AXXI-I/O-W	695744	G8-62.5/125 AXXI-I/O-W
695750	G12-9/125 AXXI-I/O-W	695752	G12-50/125 AXXI-I/O-W	695754	G12-62.5/125 AXXI-I/O-W
695780	G24-9/125 AXXI-I/O-W	695782	G24-50/125 AXXI-I/O-W	695784	G24-62.5/125 AXXI-I/O-W