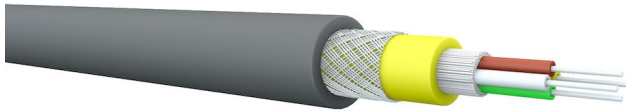


ARMoured AND FLAME RETARDANT AICI-I/O/RM-W

ARMoured AND FLAME RETARDANT AICI-I/O/RM-W F104



GENERAL INFO

Optical cable for industrial environments. The cable is suitable for both indoor and outdoor installation. The outer sheath is made from black UV-stabilized and weather resistant material which is SHF1 classified, and may be exposed for shorter periods to fluids such as diesel and mineral oils. The resistance to these fluids is according to IEC60811-404. The cable is reinforced with a steel wire braiding between the two sheaths. Strength elements of glass yarn around the cable core allow easy installation of long lengths. The 0.9 mm tight buffer is easy to strip allowing fast and reliable splicing and connector mounting. Each fibre is colour coded for easy identification. The outer sheath is marked to show fibre type and cable type.

CERTIFICATIONS AND DESIGN STANDARDS



IEC 60794-1

IEC 60794-2

EN 50173-1

ISO/IEC 11801

NEK TS 606:2022

Optical fibre cables, test methods

Optical fibre cables, indoor cables specifications

Generic cabling systems

Generic cabling system

Cables for offshore installations

CABLE CONSTRUCTION

Longitudinal water blocking cable	Yes
Armouring/reinforcement	Braiding
Armouring/reinforcement material	Steel, galvanised
Material outer sheath	Thermoplastic polymer
Type of tube	Tight
Cable shape	Round
With rodent protection	Yes

APPLICATION PROPERTIES

With strain relief	Yes
Oil resistant (acc. IEC 60811-404)	Yes
Min. outer temperature, fixed installation [°C]	-40
Max. outer temperature, fixed installation [°C]	70
UV resistant	Yes
With rodent protection	Yes
Outdoor installation	Yes
Min. outer temperature during installation [°C]	-10
Max. outer temperature during installation [°C]	70
Underground installation	Yes
Bending radius (rule)	15xD

FIRE PROPERTIES

Flame retardant	In accordance with EN/IEC 60332-3-24
Halogen free (acc. IEC 60754-2)	Yes
Low smoke (acc. IEC 61034-2)	Yes

PRODUCT ORDER DATA

Product name	Colour outer sheath	SAP	EL no.	Packaging type
G4-9/125 AICI-I/O/RM-W/- BK	Black	20109407	1080675	Drum
G8-9/125 AICI-I/O/RM-W/- BK	Black	20109409	1080676	Drum
G12-9/125 AICI-I/O/RM-W/- BK	Black	20109412	1080677	Drum
G24-9/125 AICI-I/O/RM-W/- BK	Black	20117329	1080678	Drum
G4-50/125 AICI-I/O/RM-W/- OG	Orange	20203685	20203685	Drum
G4-50/125 AICI-I/O/RM-W/- BK	Black	20122674	1080680	Drum
G8-50/125 AICI-I/O/RM-W/- BK	Black	20130953	1080682	Drum
G4-50/OM3 AICI-I/O/RM-W/- BK	Black	20269143	20269143	Drum
G12-50/OM3 AICI-I/O/RM-W/- BK	Black	20173909	20173909	Drum
G24-50/125 AICI-I/O/RM-W/- BK	Black	20110876	20110876	Drum
G4-50/OM4 AICI-I/O/RM-W/- BK	Black	20355758	20355758	Drum
G8-50/OM3 AICI-I/O/RM-W/- BK	Black	20109410	1080683	Drum
G8-50/OM4 AICI-I/O/RM-W/- BK	Black	20355759	20355759	Drum
G12-50/OM4 AICI-I/O/RM-W/- BK	Black	20355760	20355760	Drum
G24-50/OM3 AICI-I/O/RM-W/- BK	Black	20117332	20117332	Drum
G24-50/OM4 AICI-I/O/RM-W/- BK	Black	20355801	20355801	Drum
G4-62.5/125 AICI-I/O/RM-W/- BK	Black	20109408	1080690	Drum
G8-62.5/125 AICI-I/O/RM-W/- BK	Black	20109411	1080692	Drum
G12-62.5/125 AICI-I/O/RM-W/- BK	Black	20109413	1080694	Drum
G24-62.5/125 AICI-I/O/RM-W/-	Black	20109414	1080696	Drum
G24-62.5/125 AICI-I/O/RM-W/- BK(ES9)	Black	20117769	20117769	Drum

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CABLE PROPERTIES 01(PER ITEM)

Product name	Nominal outer diameter [mm]	Max. tensile strength during installation [kN]	Cable weight [kg/km]	SAP
G4-9/125 AICI-I/O/RM-W/- BK	9	0.7	98	20109407
G8-9/125 AICI-I/O/RM-W/- BK	9.8	0.8	132	20109409
G12-9/125 AICI-I/O/RM-W/- BK	10.7	1.2	150	20109412
G24-9/125 AICI-I/O/RM-W/- BK	12.5	1.7	202	20117329
G4-50/125 AICI-I/O/RM-W/- OG	9	0.7	98	20203685
G4-50/125 AICI-I/O/RM-W/- BK	9	0.7	98	20122674
G8-50/125 AICI-I/O/RM-W/- BK	9.8	0.8	132	20130953
G4-50/OM3 AICI-I/O/RM-W/- BK	9	0.7	98	20269143
G12-50/OM3 AICI-I/O/RM-W/- BK	10.7	1.2	150	20173909
G24-50/125 AICI-I/O/RM-W/- BK	12.5	1.7	202	20110876
G4-50/OM4 AICI-I/O/RM-W/- BK	9	0.7	98	20355758
G8-50/OM3 AICI-I/O/RM-W/- BK	9.8	0.8	132	20109410
G8-50/OM4 AICI-I/O/RM-W/- BK	9.8	0.8	132	20355759
G12-50/OM4 AICI-I/O/RM-W/- BK	10.7	1.2	150	20355760
G24-50/OM3 AICI-I/O/RM-W/- BK	12.5	1.7	202	20117332
G24-50/OM4 AICI-I/O/RM-W/- BK	12.5	1.7	202	20355801
G4-62.5/125 AICI-I/O/RM-W/- BK	9	0.7	98	20109408
G8-62.5/125 AICI-I/O/RM-W/- BK	9.8	0.8	132	20109411
G12-62.5/125 AICI-I/O/RM-W/- BK	10.7	1.2	150	20109413
G24-62.5/125 AICI-I/O/RM-W/-	12.5	1.7	202	20109414
G24-62.5/125 AICI-I/O/RM-W/- BK(ES9)	12.5	1.7	202	20117769

CABLE PROPERTIES 02(PER ITEM)

Product name	Fibre type	Number of fibres	Number of fibres per tube	Category (fibre)	Fibre datasheet	SAP
G4-9/125 AICI-I/O/RM-W/- BK	Single mode 9/125	4	1	OS2	C03	20109407
G8-9/125 AICI-I/O/RM-W/- BK	Single mode 9/125	8	1	OS2	C03	20109409
G12-9/125 AICI-I/O/RM-W/- BK	Single mode 9/125	12	1	OS2	C03	20109412
G24-9/125 AICI-I/O/RM-W/- BK	Single mode 9/125	24	1	OS2	C03	20117329
G4-50/125 AICI-I/O/RM-W/- OG	Multi mode 50/125	4	1	OM2	C34	20203685
G4-50/125 AICI-I/O/RM-W/- BK	Multi mode 50/125	4	1	OM2	C34	20122674
G8-50/125 AICI-I/O/RM-W/- BK	Multi mode 50/125	8	1	OM2	C34	20130953
G4-50/OM3 AICI-I/O/RM-W/- BK	Multi mode 50/125	4	1	OM3	C31	20269143
G12-50/OM3 AICI-I/O/RM-W/- BK	Multi mode 50/125	12	1	OM3	C31	20173909
G24-50/125 AICI-I/O/RM-W/- BK	Multi mode 50/125	24	1	OM2	C34	20110876
G4-50/OM4 AICI-I/O/RM-W/- BK	Multi mode 50/125	4	1	OM4	C32	20355758
G8-50/OM3 AICI-I/O/RM-W/- BK	Multi mode 50/125	8	1	OM3	C31	20109410
G8-50/OM4 AICI-I/O/RM-W/- BK	Multi mode 50/125	8	1	OM4	C32	20355759
G12-50/OM4 AICI-I/O/RM-W/- BK	Multi mode 50/125	12	1	OM4	C32	20355760
G24-50/OM3 AICI-I/O/RM-W/- BK	Multi mode 50/125	24	1	OM3	C31	20117332
G24-50/OM4 AICI-I/O/RM-W/- BK	Multi mode 50/125	24	1	OM4	C32	20355801
G4-62.5/125 AICI-I/O/RM-W/- BK	Multi mode 62.5/125	4	1	OM1	C02	20109408
G8-62.5/125 AICI-I/O/RM-W/- BK	Multi mode 62.5/125	8	1	OM1	C02	20109411
G12-62.5/125 AICI-I/O/RM-W/- BK	Multi mode 62.5/125	12	1	OM1	C02	20109413
G24-62.5/125 AICI-I/O/RM-W/-	Multi mode 62.5/125	24	1	OM1	C02	20109414
G24-62.5/125 AICI-I/O/RM-W/- BK(ES9)	Multi mode 62.5/125	24	1	OM1	C02	20117769