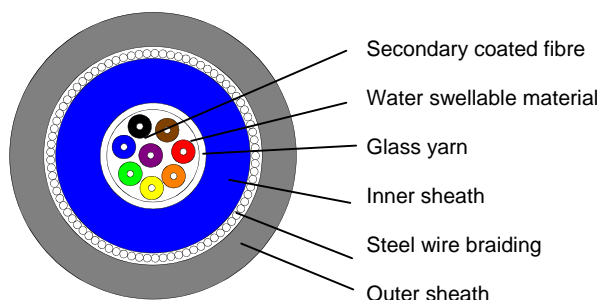


Armoured industrial cable AICI-I/O/RM-W

Indoor and outdoor
Flame retardant and halogen free
Steel wire braiding
Tight buffer

Optical cable for industrial environments. The cable is suitable for both indoor and outdoor installation. Continuous submergence in water is not recommended. Outer sheath is made from black UV-stabilized and weather resistant material and may be exposed for shorter periods to fluids such as diesel, petrol, glycol, ethanol, white spirit and ASTM oil 2. The resistance to these fluids is according to DOD-STD-1678, method 8030. 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.



Weight and dimensions

Number of fibres	Secondary coating [mm]	Outer diameter [mm]	Weight [kg/km]	Tensile strength* [Inst./oper.] [N]
2	0.9	7.8	100	400/175
4	0.9	8.2	110	700/250
8	0.9	9.4	125	800/350
12	0.9	10.4	145	1200/500
24	0.9	12.0	180	1700/750

Cable properties

*Tensile strength (IEC 60794-1-2E1)		Temperature window	
Max tensile load during installation	See above	Operation	-40°C to +70°C
Max tensile load during operation	See above	Installation	-10°C to +70°C
		Storage	-40°C to +70°C
Crush (IEC 60794-1-2E3)	2000 N/10cm	Water tightness* (IEC 60794-1-2F5B)	< 3 m/24 hours
Impact (IEC 60794-1-2E4)	1 impacts, 25J	Fire and smoke classifications	
Torsion (IEC 60794-1-2E7)	± 1 turn/1m	IEC 60332-1	
Cable bending		IEC 60332-3-22	
Minimum bending diameter	15x outer diameter	IEC 60332-3-24	
Cable bend (IEC 60794-1-2E11)	<0.5 dB/ ± 5 turn	IEC 61034	
Flexibility (IEC 60794-1-2E8)	1000 cycles	IEC 60754-1	
		IEC 60754-2	

*) – Steel wire braiding is not watertight.

Ordering information

9/125 fibre(SMF652B), Black**		50/125 fibre(MMF50HiCap), Black**		62.5/125 fibre(MMF62HiCap), Black**	
Part no.	Cable code	Part no.	Cable code	Part no.	Cable code
695410	G2-9/125 AICI-I/O/RM-W	695412	G2-50/125 AICI-I/O/RM-W	695414	G2-62.5/125 AICI-I/O/RM-W
695420	G4-9/125 AICI-I/O/RM-W	695422	G4-50/125 AICI-I/O/RM-W	695424	G4-62.5/125 AICI-I/O/RM-W
695440	G8-9/125 AICI-I/O/RM-W	695442	G8-50/125 AICI-I/O/RM-W	695444	G8-62.5/125 AICI-I/O/RM-W
695450	G12-9/125 AICI-I/O/RM-W	695452	G12-50/125 AICI-I/O/RM-W	695454	G12-62.5/125 AICI-I/O/RM-W
695480	G24-9/125 AICI-I/O/RM-W	695482	G24-50/125 AICI-I/O/RM-W	695484	G24-62.5/125 AICI-I/O/RM-W

**) - Standard colour of outer sheath

We reserve the right to alter this specification without notice.