



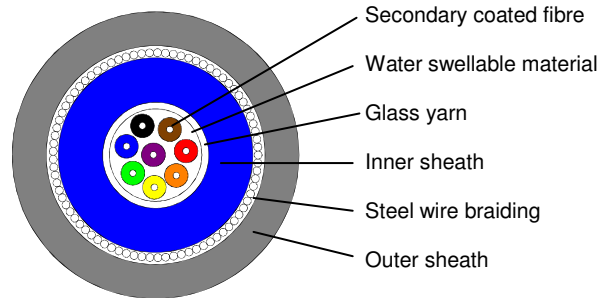
## Armoured and flame retardant AICI-I/O/RM-W

### 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. 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 IEC60811-2-1. 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	Outer diameter	Weight	Tensile strength* [Inst./oper.]
	[mm]	[mm]		
4	0.9	8.2	90	700/250
8	0.9	9.4	125	800/350
12	0.9	10.3	145	1200/500
24	0.9	12.0	185	1700/750

### Cable properties

<b>*Tensile strength</b> (IEC 60794-1-2E1) Max tensile load during installation Max tensile load during operation	See above	<b>Temperature window</b> Operation	-40°C to +70°C
	See above	Installation Storage	-10°C to +70°C -40°C to +70°C
<b>Crush</b> (IEC 60794-1-2E3)	2000 N/10cm	<b>Water tightness*</b> (IEC 60794-1-2F5B)	< 3 m/24 hours
<b>Impact</b> (IEC 60794-1-2E4)	1 impacts, 25J	<b>Fire and smoke classifications</b>	
<b>Torsion</b> (IEC 60794-1-2E7)	± 1 turn/1m	IEC 60332-1 IEC 60332-3-22 (Cat. A) IEC 60332-3-24 (Cat. C)	
<b>Cable bending</b>		IEC 61034	
Minimum bending diameter	15x outer diameter	IEC 60754-1	
Cable bend (IEC 60794-1-2E11)	<0.5 dB/ ± 5 turn	IEC 60754-2	
Flexibility (IEC 60794-1-2E8)	1000 cycles	<b>Chemical resistance</b>	
		Mineral oils IRM 902 (IEC60811-2-1)	- 7 days/23°C - 4 hours/70°C
		Diesel - IRM 903 (IEC60811-2-1)	- 7 days/23°C - 4 hours/70°C

\*) – Steel wire braiding is not watertight.

### Ordering information

[www.drakamog.com](http://www.drakamog.com)

Subject to change without prior notice



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Part no	Number of fibres	Cabe Type	Fiber type	Fiber data sheet
695420	4	G4-9/125 AICI-I/O RM-W	OS2 Single mode	C03e
695440	8	G8-9/125 AICI-I/O RM-W	OS2 Single mode	C03e
695450	12	G12-9/125 AICI-I/O RM-W	OS2 Single mode	C03e
695480	24	G24-9/125 AICI-I/O RM-W	OS2 Single mode	C03e
695422	4	G4-50/125 AICI-I/O RM-W	OM2 50/125 multi mode	C23
695442	8	G8-50/125 AICI-I/O RM-W	OM2 50/125 multi mode	C23
695452	12	G12-50/125 AICI-I/O RM-W	OM2 50/125 multi mode	C23
695482	24	G24-50/125 AICI-I/O RM-W	OM2 50/125 multi mode	C23
	4	G4-50/125OM3BB AICI-I/O RM-W	OM3 MaxCap-OM3	C31
	8	G8-50/125OM3BB AICI-I/O RM-W	OM3 MaxCap-OM3	C31
	12	G12-50/125OM3BB AICI-I/O RM-W	OM3 MaxCap-OM3	C31
	24	G24-50/125OM3BB AICI-I/O RM-W	OM3 MaxCap-OM3	C31
695424	4	G4-62.5/125 AICI-I/O RM-W	OM1 62.5/125 multi mode	C02
695444	8	G8-62.5/125 AICI-I/O RM-W	OM1 62.5/125 multi mode	C02
695454	12	G12-62.5/125 AICI-I/O RM-W	OM1 62.5/125 multi mode	C02
695484	24	G24-62.5/125 AICI-I/O RM-W	OM1 62.5/125 multi mode	C02

OM4 and other fibre types on request.

### Colour code

Fibre no.	Colour	Fibre no.	Colour	Fibre no.	Colour
1	White	9	Violet	17	Blue + marker
2	Red	10	Turquoise	18	Grey + marker
3	Yellow	11	Orange	19	Brown + marker
4	Green	12	Pink	20	Light Blue + marker
5	Blue	13	White + marker	21	Violet + marker
6	Grey	14	Red + marker	22	Turquoise + marker
7	Brown	15	Yellow + marker	23	Orange + marker
8	Black	16	Green + marker	24	Pink + marker

Standard colour of outer sheath is black.

We reserve the right to alter this specification without notice.