

# CABLE OVERMOULDING



## CATLINE CAT. 6A S - IE CONNECTION CABLE

Industrial Ethernet cable, suitable for cable tracks, with moulded M12 connector and mounted RJ45 connector



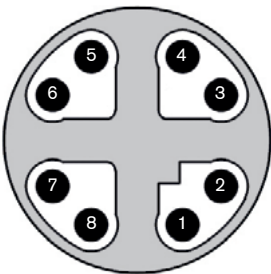
**Application:** IE system cable for continuously flexible application, e.g. in cable tracks in industrial environment.

### Technical Data:

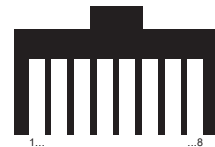
<b>Temperature range:</b>	-40 °C to +70 °C
<b>Voltage:</b>	48 V
<b>Protection class:</b>	IP67 (M12, in stretched condition), IP20 (RJ45)
<b>Connection side 1:</b>	M12 X-coded, male connector, straight, moulded with vibration seal
<b>Connection side 2:</b>	RJ45 connector, mounted, Cat. 6A, 8-pole with cable gland
<b>Marking:</b>	yellow marking tube with marking: item number - order number - length - certification mark

### Cable characteristics:

<b>SAB item no.:</b>	L1677-4631
<b>Dimension:</b>	4 x 2 x 26 AWG
<b>Conductor:</b>	bare copper strands, fine wires
<b>Insulation:</b>	special polymer
<b>Screen:</b>	alu foil and tinned copper braiding
<b>Outer sheath:</b>	PUR, green (similar RAL 6018)
<b>Outer diameter:</b>	approx. 7,1 mm
<b>Approvals:</b>	UL/CSA
<b>Oil resistance:</b>	TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Min. bending radius</b>	
<i>flexible application:</i>	5 x d
<i>continuously flexible:</i>	15 x d



connection diagram/pin assignment		
side 1	TIA 568-B	side 2
M12 connector	core	M12 connector
pin 1	white-orange	pin 1
pin 2	orange	pin 2
pin 3	white-green	pin 3
pin 4	green	pin 4
pin 5	white-brown	pin 5
pin 6	brown	pin 6
pin 7	white-blue	pin 7
pin 8	blue	pin 8
housing	screen	housing



item no. with length code	
length	item no.: S1677-4027-_____
0,5 m	00050
1,0 m	00100
2,0 m	00200
3,0 m	00300
5,0 m	00500
7,5 m	00750
10,0 m	01000
15,0 m	01500
20,0 m	02000
25,0 m	02500