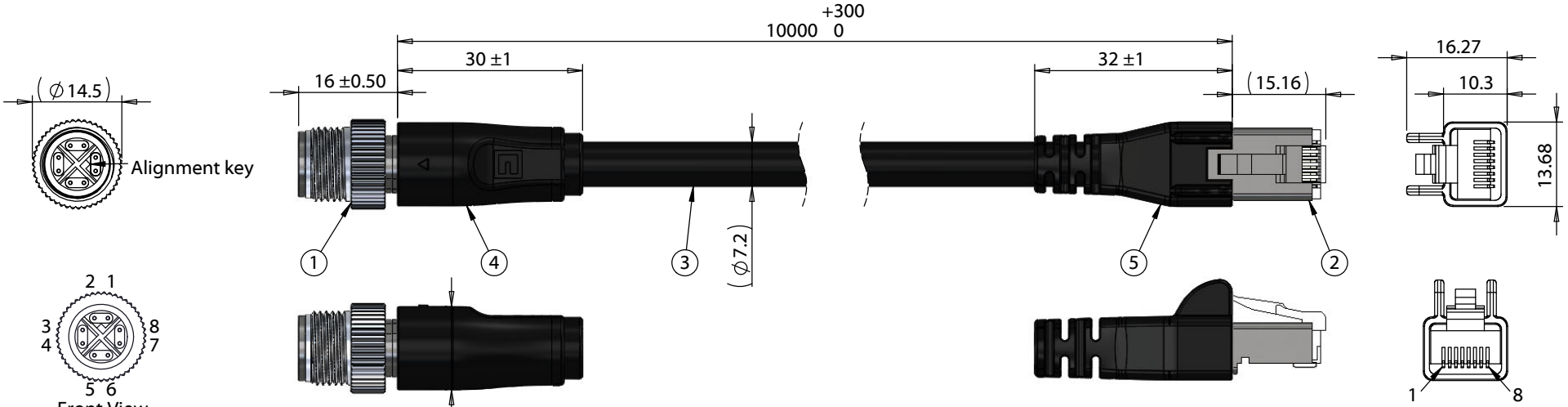
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	COMPONENT NOTES
1	50-00993	Connector, 8 pin M12 X-code plug, 12xL38.6mm, gold plated, molding style, solder cup, IP67, shielded	1	
2	50-00995	Connector, 8P8C RJ45 plug, IDC, CAT6a, shielded	1	
3	30-01713	Wire, 4PR BC, 24 AWG, CAT6a SF/UTP, UL20387, 300V, 105C, 60C oil, UV, 7.2 mm, shielded, VW-1, PVC	1	
4	24-00363	Overmold, M12 X-code plug and jack, 180°	1	PVC, black, 60 °C oil and UV resistant
5	24-00362	Overmold, RJ45 plug	1	PVC, black, 60 °C oil and UV resistant



Front View
Not to Scale

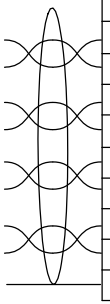
Notes:
Cable rated for 48 V, 0.5 A
Temperature: -25 ~ 105 °C
Signal: Ethernet CAT6a, 10 Gbps

Wire:
Oil resistant up to 60 °C
Water resistant up to 75 °C
UV resistant

IP67 waterproof rating when M12 connector mated with corresponding (IP67) M12 connector

Functionally equivalent components may be substituted

Wiring Diagram



50-00993	wire color	50-00995
1	orange/white	1
2	orange	2
3	green/white	3
4	green	6
5	brown/white	7
6	brown	8
7	blue/white	5
8	blue	4
Shell	shield	Shell

Revision:	Date:	Description:
A	5/19/2022	Initial release

Prepared: JD Digitally signed by JD Date: 2022.05.19 13:49:11 -07'00'

Verified: MP Digitally signed by MP Date: 2022.05.20 08:24:32 -07'00'

Dimensions are in millimeters.
Tolerances:
X: ± 0.5 mm
X.X: ± 0.3 mm
X.XX: ± 0.3 mm

Notes:

RoHS compliant

Function test: no open, no short circuit, no intermittent

Description:

Cable, 10000 mm, 8 pin 50-00993 M12 X-code plug to 8P8C 50-00995 RJ45 plug, CAT6a, 24 AWG, 30-01713

TENSILITY
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fax 1.541.323.4202 web tensility.com

Size: A
Part number: 10-03965
Scale: 1:1
Sheet 1 of 1

5 4 3 2 1

To see a custom version of this cable assembly, call Tensility at 541-323-3228 or email engineering@tensility.com