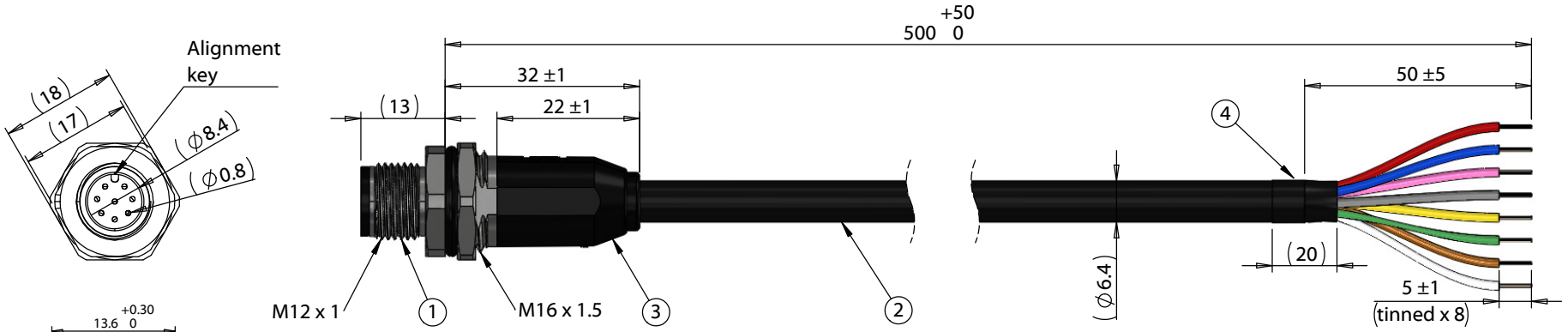
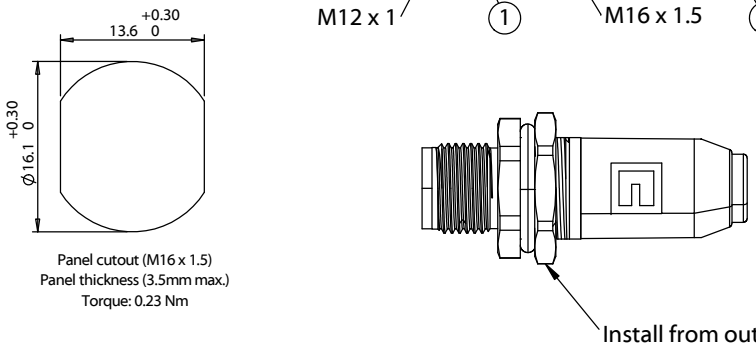
ITEM NO.	PART NUMBER	DESCRIPTION	COMPONENT NOTES	QTY.
1	54-00538	Connector, M12 A-code plug, 8 pin, 12xL28 mm, panel mount, molding style, solder cup, gold plated, IP67		1
2	30-03792	Wire, 8C TS, 24 AWG, UL20387, 300V, 105C, 60C oil, UV, 6.4 mm, VW-1, PVC, 80A, black		1
3	24-00455	Overmold, M12, 14x22 mm, plug	PVC, black	1
4	32-00026	Heat shrink, 7.5 mm ID, 7 mm OD, EVA, 2:1 ratio, 125 °C, UL VW-1, thin wall	covers end of jacket	1

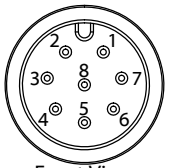




Notes:
Cable rated for 30 V, 2 A
Temperature: -40 ~ 105 °C
Oil resistant up to 60 °C
Water resistant: 75 °C
UV resistant

IP67 waterproof rating when mated with corresponding (IP67) connector

Functionally equivalent components may be substituted



Wiring Diagram	
54-00538	wire color
1	white
2	brown
3	green
4	yellow
5	gray
6	pink
7	blue
8	red

Revision:	Date:	Description:
A	10/21/2025	initial release

Prepared: CR
Digitally signed by CR
Date: 2026.01.23 10:53:21 -08'00'

Verified: KM
Digitally signed by KM
Date: 2026.01.23 12:13:39 -08'00'

Dimensions are in millimeters.
Tolerances:
X: ± 0.5 mm
X.X: ± 0.3 mm
X.XX: ± 0.05 mm

Notes:
RoHS compliant

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

Description:
Cable, 500 mm, M12 A-code plug 8 pin panel mount 54-00538 to 5 mm tinned, 24 AWG, 30-03792 wire

TENSILITY
tel 1.541.323.3228 800 877.670.7118
fax 1.541.323.4202 web tensility.com

Size: A
Part number: 10-06442
Scale: 1:1
Sheet 1 of 1

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

5 4 3 2 1