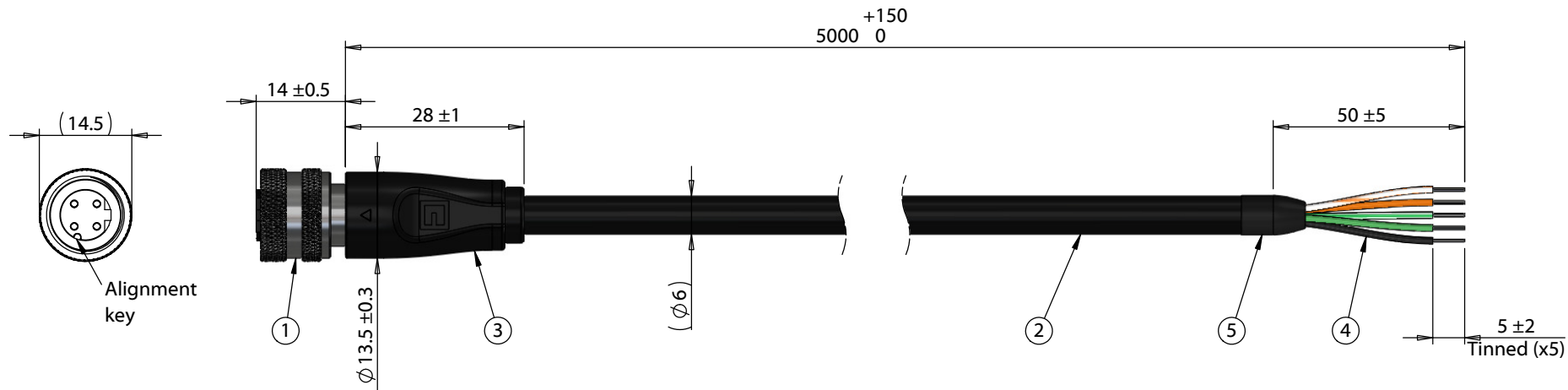


ITEM NO.	PART NUMBER	DESCRIPTION	COMPONENT NOTES	QTY.
1	50-01028	Connector, M12 D-code socket, 4 pin, 12xL22 mm, molding style, solder cup, gold plated, IP67, shielded		1
2	30-03676	Wire, 4C, 2PR BC, 24AWG, CAT5e SF/UTP, UL20387, 300V, 105C, 60C oil, UV, 6 mm, shielded, VW-1, PVC		1
3	24-00349	Overmold, M12 plug and jack, 180°	PVC, black	1
4	32-00014	Heat shrink, 0.9 mm ID, 0.6 mm OD, EVA, 2:1 ratio, 125 °C, UL VW-1, thin wall	covers shield	1
5	32-00025	Heat shrink, 6.5 mm ID, 6 mm OD, EVA, 2:1 ratio, 125 °C, UL VW-1, thin wall	covers end of jacket	1



Notes:

Voltage: 250 V

Current: 4 A

Temperature: -40 ~ 105 °C

Signal: Ethernet CAT5e 1 Gbps

Wire:

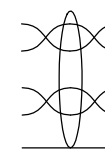
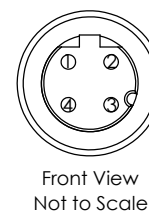
Oil resistant up to 60 °C

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	
50-01028	wire color
1	white/orange
3	orange
2	white/green
4	green
Shell	Shield

Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	08/20/2025	Initial release	Verified:	RoHS compliant	
			Dimensions are in millimeters.	Function test: no open, no short circuit, no intermittent	
			Tolerances:	Description:	
			X: ± 0.5 mm	Cable, 5000 mm, M12 D-code socket 4 pin 50-01028 to stripped and tinned, CAT5e, 24 AWG, 30-03676 wire	
			X.X: ± 0.3 mm		Size: A
			X.XX: ± 0.05 mm		Part number: 10-06484
					Scale: 1:1
					Sheet 1 of 1

5

4

3

2

1