2

4

5

6

8

Shell

red

yellow

black

white

orange

blue

green

purple

shield/drain

2

4

5

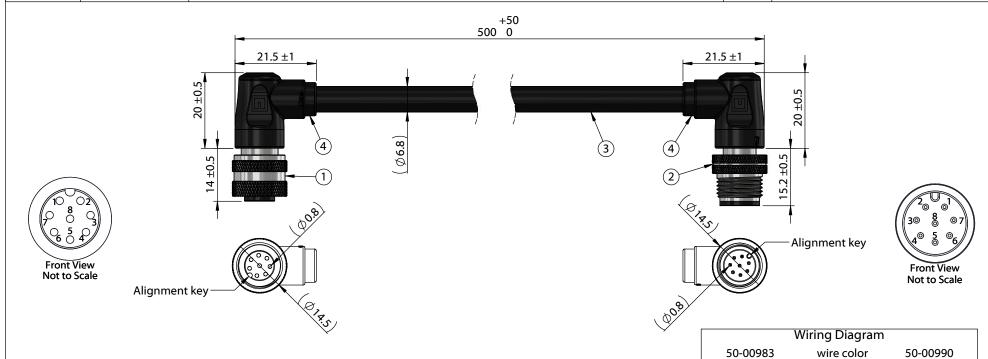
6

7

8

Shell

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	COMPONENT NOTES
1	50-00983	Connector, 8 pin M12 A-code socket, 12xL22mm, gold plated, molding style, solder cup, IP67, shielded	1	
2	50-00990	Connector, 8 pin M12 A-code plug, 12xL22mm, gold plated, molding style, solder cup, IP67, shielded	1	
3	30-01611	Wire, 8C TS, 24 AWG, UL20387, 300V, 105C, 60C oil, UV, 6.8 mm, shielded, VW-1, PVC, 80A, black	1	
4	24-00361	Overmold, M12 plug and jack, 90°	2	PVC, black



## Notes:

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

IP67 waterproof rating when mated with corresponding (IP67) connector

Functionally equivalent components may be substituted

Revision:	Date:	Description:	Prepared: PB Digitally signed by 88 Date: 2022.1.14	Notes:					
A	12/30/2021	initial release	-08/00'	→ RoHS compliant		TENSILITY			
			Verified: MP Digitally signed by MP Digitally	Function test: no open, no short circuit, no intermittent		1.541.323.3228 800 877.670.7118 1x 1.541.323.4202 web tensility.com			
			Dimensions are in			nax 1.3 11.323. 1202 web terisinty.com			
			millimeters. Tolerances:	Description:		Part nui	umber:		
			X: ± 0.5 mm	Cable, 500 mm, 0.8 mm 8C 90° 50-00983 M12 socket to 0.8 mm 90° 50-00990 M12 plug, 24 AWG, 30-01611 wire	t A	10-04	10-04995		
			X.X: ± 0.3 mm X.XX: ± 0.05 mm		Scale	1:1		Sheet 1 of 1	