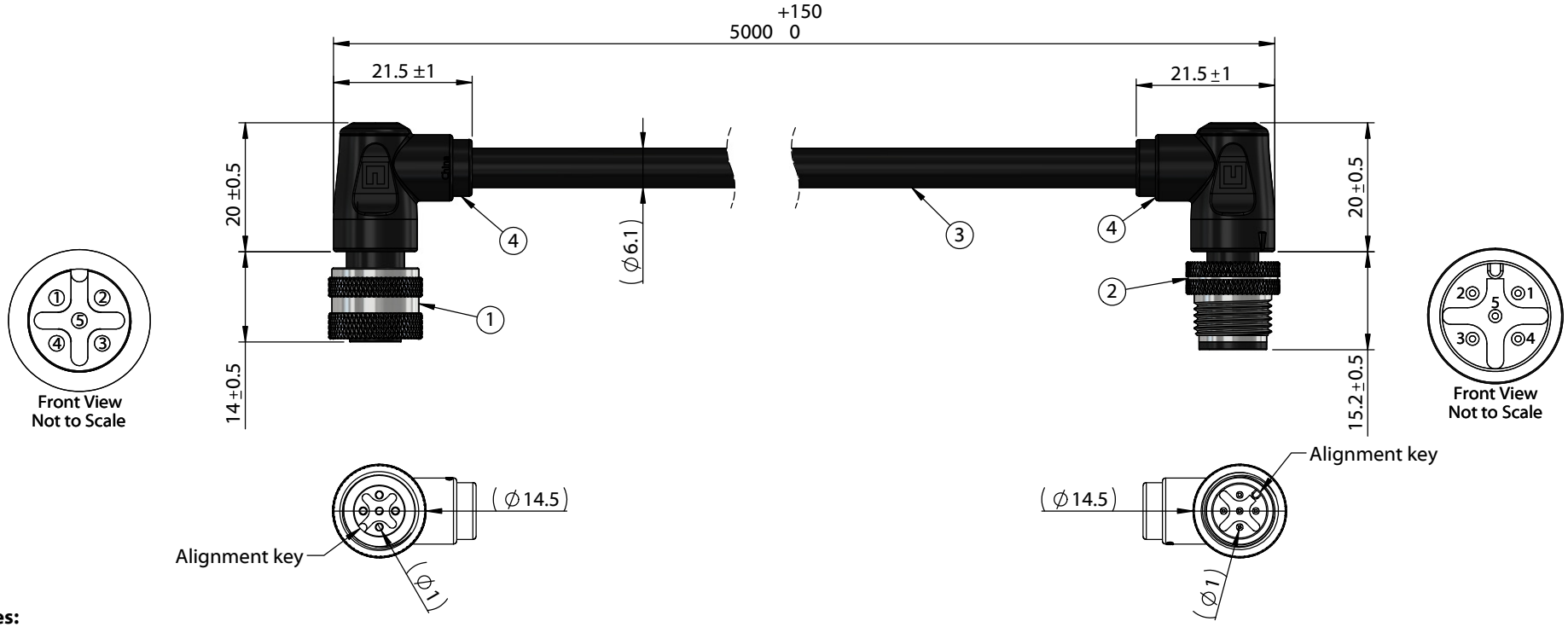
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	COMPONENT NOTES
1	50-00953	Connector, M12 A-code socket 5 pin, 12xL22mm, molding style, solder cup, gold plated, IP67	1	
2	50-00960	Connector, M12 A-code plug, 5 pin, 12xL22 mm, molding style, solder cup, gold plated, IP67	1	
3	30-01666	Wire, 5C TS, 22 AWG, UL20387, 300V, 105C, 60C oil, UV, 6.1 mm, VW-1, PVC, 80A, black	1	
4	24-00361	Overmold, M12 plug and jack, 90°	2	PVC, black



Notes:
Cable rated for 60 V, 4 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

Wiring Diagram		
50-00953	wire color	50-00960
1	red	1
2	yellow	2
3	black	3
4	white	4
5	blue	5

Revision:	Date:	Description:
A	12/30/2021	Initial release

Prepared: KM Digitally signed by KM Date: 2025.12.09 14:35:15 -08'00'

Verified: CR Digitally signed by CR Date: 2025.12.09 14:42:39 -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, 5000 mm, 1.0 mm 5C 90° 50-00953 M12 socket to 1.0 mm 90° 50-00960 M12 plug, 22 AWG, 30-01666 wire

TENSILITY

tel 1.541.323.3228 *800* 877.670.7118
fax 1.541.323.4202 *web* tensility.com

Size: A

Part number: 10-04963

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