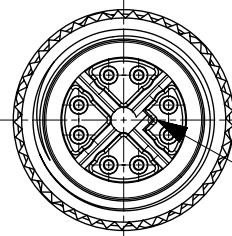
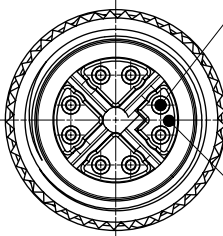


M12 X-CODE
MALE
FRONT VIEW

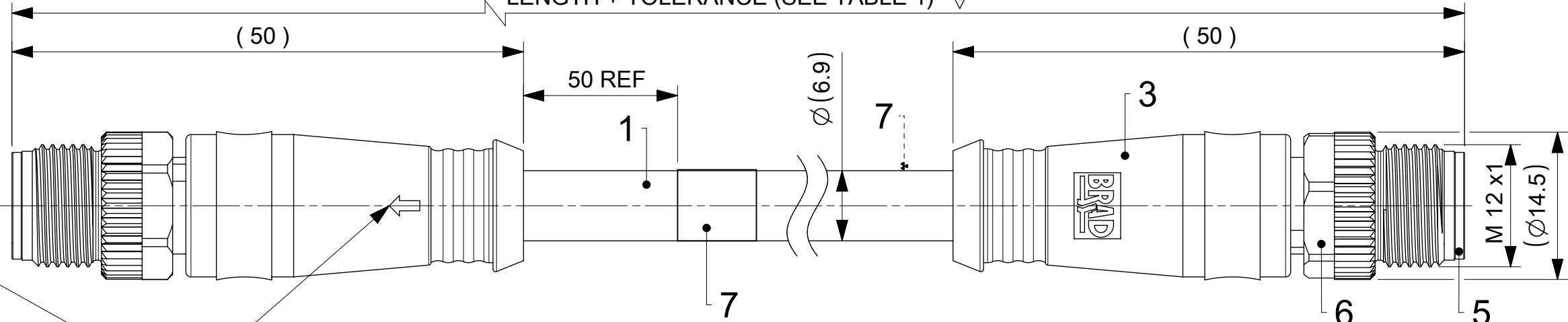


ARROW IN LINE WITH THE CODING
BRAD LOGO ON OTHER SIDE

M12 X-CODE
MALE
FRONT VIEW

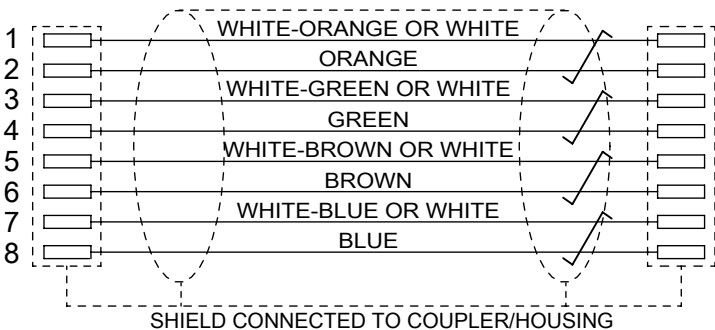


LENGTH + TOLERANCE (SEE TABLE 1)

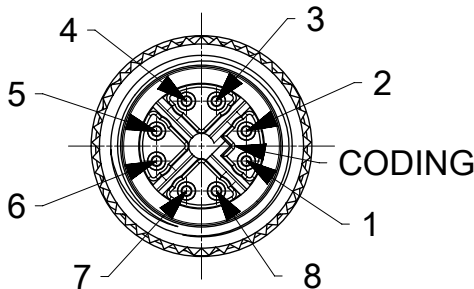


WIRING DIAGRAM

M12 X-CODE
MALE



M12 X-CODE
MALE
FRONT VIEW



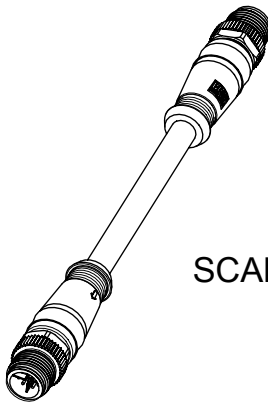
NOTES:
VOLTAGE RATING: 48 V
CURRENT RATING: 0.5 A
TEMPERATURE RATING:
STATIC: -40 °C TO 80 °C
DYNAMIC: -20 °C TO 80 °C
IP RATING: IP 67 (IN MATED AND LOCKED CONDITION)
TRANSMISSION CHARACTERISTICS ACCORDING TO ISO/IEC 11801 CLASS EA CHANNEL,
WITH INSERTION LOSS BEING IGNORED FOR CABLE LENGTHS ≤ 1 m OR ≥ 65 m
POWER TRANSMISSION TEST ACCORDING IEEE802.3bt UP TO 65m LENGTH
PACKAGING: CORDSETS ARE PACKED IN A POLYBAG

BILL OF MATERIAL

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
1	1	CABLE	TPE	TEAL
2	16	CONTACT 6 MALE	BRASS	Au OVER Ni
3	-	MOLDING MATERIAL	TPU	BLACK
4	2	INSERT M12 CAT6A MALE 8P	PA6	BLACK
5	2	SHELL M12 CAT6A	ZINC DIE-CAST	Ni PLATED
6	2	NUT M12 MALE	BRASS	Ni PLATED
7	1	LABEL 2.0X1.75	VINYL	YELLOW

DOCUMENT STATUS	P1	RELEASE DATE	2024/05/15	09:03:53
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FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC:	molex		
$\nabla_A = 0$	DIMENSION UNITS	SCALE	CSE M12 CAT6A 8P XC MA STR PUR XM DE		
$\nabla_E = 1$	mm	2:1	PRODUCT CUSTOMER DRAWING		
$\nabla_F = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)	EC NO: 786254	DOCUMENT NUMBER		
	ANGULAR TOL $\pm 1.0^\circ$	DRWN: MBLOESER	DOC TYPE		
	4 PLACES $\pm$	2024/05/15	DOC PART		
	3 PLACES $\pm$	CHK'D: RSILLER	REVISION		
	2 PLACES ± 0.05	2024/05/15	1203411127		
	1 PLACE ± 0.3	INITIAL REVISION:	PSD		
	0 PLACES ± 0.5	DRWN: MBLOESER	000		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	2022/08/12	A4		
	THIRD ANGLE PROJECTION	2022/11/03	SHEET NUMBER		
	DRAWING	SERIES	SEE TABLE 1		
	A3-SIZE	120341	GENERAL MARKET		
	MATERIAL NUMBER	CUSTOMER	1 OF 2		



SCALE 1:2

[illegible]