DYNAMIC APPLICATION

PMXX®

ENCODER&RESOLVER 12

DESCRIPTION

High-performance UL/CSA certified flexible cables for Data transmission of encoder and resolver devices, designed for Dynamic application in high-speed drag chains, also suitable for permanently flexible applications that allow free movement without tensile stress and without motion control in dry, damp, and wet environments. The polyurethane outer jacket provides excellent resistance properties against mechanical stress and chemical agents, making these cables suitable for indoor or outdoor use, even in very low temperatures.

APPROVALS

2014/35/CEE

2011/65/UE

1907/2006

AWM STYLE 20233 80°C 300V
File E244280

AWM I/II A/B 80°C 300V

TECHNICAL DATA

DYNAMIC
-40°C / +80°C
STATIC
-50°C / +80°C

NOMINAL VOLTAGE
300V (UL/CSA AWM)

TEST VOLTAGE
2000 V

NOMINAL IMPEDANCE
100±15% OHM

CONSTRUCTION FEATURES

GROUP 1	CONDUCTOR	CL6 EXTRA-FLEXIBLE (IEC 60228) BARE COPPER
	INSULATION	POLYOLEFIN
	INSULATION COLOUR	VARIOUS COLOURS
	SCREEN	SCREEN TINNED COPPER 85% ±5%
	SEPARATION LAYER	TAPE NON-WOVEN TAPE
	SHEATH	INNER JACKET POLYOLEFIN COMPOUND
GROUP 2	CONDUCTOR	CL6 EXTRA-FLEXIBLE (IEC 60228) BARE COPPER
	INSULATION	POLYOLEFIN
	INSULATION COLOUR	VARIOUS COLOURS
OVERALL STRANDING	SCREEN	SCREEN TINNED COPPER 85% ±5%
	SEPARATION LAYER	TAPE NON-WOVEN TAPE
	SHEATH	POLYURETHANE (TPU)
	SHEATH COLOUR	GREEN, RAL: 6018, DESINA: YES

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PRODUCTS FEATURES

FIRE PERFORMANCE
IEC 60332-1-2
EN 60332-1-2
VDE 0482-332-1-2
CABLE FLAME (UL)
VW-1 (UL)
FT1 (CSA)

OIL PERFORMANCE
EN 50363-10-2
VDE 0207-363-10-2
IEC 60811-404
UL 1581

UV PERFORMANCE
EN 50289-4-17
ISO 4892-2
ASTM-D-2565-16

WATER PERFORMANCE
IEC 60811
EN 50396
UL 1581

COLD PERFORMANCE
EN 60811-1-4

ABRASION PERFORMANCE
ASTM D4060
ASTM D5963

MUD PERFORMANCE
NEK 606
IEC 60092-360 ANNEX C
IEC 60092-360 ANNEX D

MICROBE PERFORMANCE
VDE 0282-10

HOZONE PERFORMANCE
EN 50396 (SEC. 8.1.3)

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
15108	**[3X(2X0,14)SF/RPE+4X0,14+4X0,25+2X0,5]ST** [3X(2XAWG26)SF/RPE+4XAWG26+4XAWG24+2XAWG21]ST	X	100	500	10	135

TE.CO. reserves the right to make changes to any of the products without, however, affecting the essential technical features. Unless specified otherwise, all the product ratings stated are nominal ratings. The RAL colour code is provided for illustrative purposes only.
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