

DYNAMIC APPLICATION



PMXX[®] ENCODER&RESOLVER 7

APPLICATIVE FEATURES



**5 MILLION
GUARANTEED CYCLES**



**30M/SEC²
ACCELERATION**



**20M
CABLE LENGTH**



**240M/MIN
TRAVEL SPEED**

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
GROUP 2	CONDUCTOR	CL6 EXTRA-FLEXIBLE (IEC 60228) BARE COPPER
	DRAIN WIRE	DRAIN WIRE TINNED COPPER
	INSULATION	POLYOLEFIN
	INSULATION COLOUR	VARIOUS COLOURS
	SCREEN	SCREEN TINNED COPPER 85% ±5%
GROUP 3	CONDUCTOR	CL6 EXTRA-FLEXIBLE (IEC 60228) BARE COPPER
	INSULATION	POLYOLEFIN
	INSULATION COLOUR	VARIOUS COLOURS
GROUP 4	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

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	CAPACITANCE (NF/KM)	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
25577	[(6X0,14)SF+2X(2X0,14)CCSF+2X2X0,14+4X0,5]ST [(6XAWG26)SF+2X(2XAWG26)CCSF+2X2XAWG26+4XAWG21]ST	0	✓			9.4	145

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