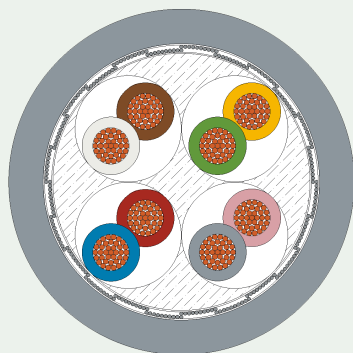


## DYNAMIC APPLICATION

# PMXX<sup>®</sup> PLUS

## SIGNAL WITH PAIR SHIELDED (SH)



### APPLICATIVE FEATURES



**5 MILLION  
GUARANTEED CYCLES**



**30,0 M/S<sup>2</sup>  
ACCELERATION**



**15,0 M  
CABLE LENGTH**



**300,0 M/MIN  
TRAVEL SPEED**



**MINIMUM BENDING RADIUS**

CROSS SECTION MIN (MM <sup>2</sup> )	CROSS SECTION MAX (MM <sup>2</sup> )	DYNAMIC INSTALLATION	STATIC INSTALLATION
0.14	0.25	6.5xØ	4xØ
0.34	1.00	10xØ	5xØ

### DESCRIPTION

Low-frequency UL/CSA certified flexible signal cables with a polyurethane outer jacket, designed for high dynamic drag chain applications with permanently flexible stresses in machine tool building, robot technology, and on constantly moving machine parts. Favorable crosstalk attenuation values are achieved thanks to the pairs' twisted stranding. Even interference through parallel running cables is suppressed due to the dense braided screen.

### APPROVALS



**AWM STYLE 21209**  
90°C 300V



**AWM I/II A/B 90°C**  
300V



2014/35/CEE



2014/30/EU



2011/65/UE



1907/2006



IEC 60754-1  
EN 50267-1

### TECHNICAL DATA



**STORAGE**  
-50 °C +90 °C  
**DYNAMIC**  
-30 °C +90 °C  
**STATIC**  
-40 °C +90 °C



**NOMINAL VOLTAGE**  
300 V (UL/CSA)  
300 V (VDE)



**TEST VOLTAGE**  
2,0 KV



**INSULATION RESISTANCE**  
≥ 1 GOHM/KM

## CONSTRUCTION FEATURES

TWISTED PAIR	CONDUCTOR	CL6 EXTRA-FLEXIBLE. BARE COPPER
	INSULATION	POLYPROPYLENE COMPOUND (PP)
	INSULATION COLOR	COLOURS SEQUENCE REFERS TO DIN 47100 STANDARD
OVERALL STRANDING	FILLER	FILLER POLYPROPYLENE
	SEPARATION LAYER	TAPE NON-WOVEN TAPE
	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SEPARATION LAYER	TAPE NON-WOVEN TAPE
	SHEATH	POLYURETHANE COMPOUND (TMPU)
	SHEATH COLOUR	GRAY, RAL: 7001, DESINA: NO

## PRODUCTS FEATURES



**FIRE PERFORMANCE**  
SELF-EXTINGUISHING AND FLAME  
RETARDANT ACC. TO DIN VDE 0482-  
332-1-2  
IEC 60332-1-2  
UL CABLE FLAME  
VW-1 (UL)  
FT1 (CSA)



**OIL PERFORMANCE**  
VDE 0473-811-404  
IEC 60811-404  
CEI EN 50363-10-2  
UL 1581



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



**WATER PERFORMANCE**  
UL 1581  
IEC 60811-1-3



**COLD PERFORMANCE**  
EN60811-1-4



**ABRASION PERFORMANCE**  
ASTM D 4060



**MUD PERFORMANCE**  
NEK 606



**MICROBE PERFORMANCE**  
VDE 0282-10



**HOZONE PERFORMANCE**  
EN 50396-8-1-3

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
46657	(2X2X0,75)ST (2X2XAWG19)ST	✓	100	500	8.4	95
46735	(3X2X0,25)ST (3X2XAWG24)ST	✓	100/200	500	6.3	60
46658	(4X2X0,75)ST (4X2XAWG19)ST	✓		500	9.7	140

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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