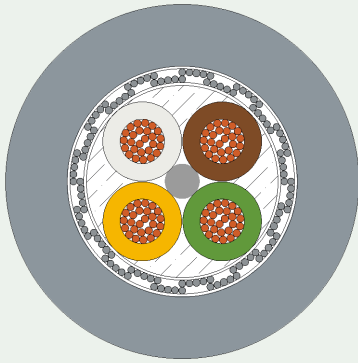


## DYNAMIC APPLICATION

# PMXX<sup>®</sup> PLUS SIGNAL 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

1.00

6xØ

4xØ

### DESCRIPTION

Low-frequency UL/CSA certified flexible signal cables with a polyurethane outer jacket, designed for the transmission of analog and digital signals for high dynamic drag-chain applications. Suitable for frequent quick lifting and bending stresses in machine engineering and construction, in robot technology, and on permanently moving machine parts. The dense screening assures interference-free transmission of all signals and impulses.

### APPROVALS



**AWM STYLE 21209 90°C  
300V  
File E244280**



**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

SIGNAL CONDUCTORS	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)
46661	(2X0,34)ST (2XAWG22)ST	✗	100	500	4.9	35
46674	(2X0,50)ST (2XAWG21)ST	✓	100	500	5.3	45
46662	(3X0,34)ST (3XAWG22)ST	✓	100/200	500	5.2	40
46678	(4X0,25)ST (4XAWG24)ST	✗	100	500	5.2	42
46663	(4X0,34)ST (4XAWG22)ST	✓	100	500	5.4	45
46664	(5X0,34)ST (5XAWG22)ST	✓	100	500	6	55
46676	(5X0,50)ST (5XAWG21)ST	✓	100	500	6.6	63
46665	(6X0,34)ST (6XAWG22)ST	✗	100	500	6.4	65
46667	(8X0,34)ST (8XAWG22)ST	✓	100	500	7.2	78
46677	(8X0,50)ST (8XAWG21)ST	✓	100	500	8.2	105
46679	(12X0,25)ST (12XAWG24)ST	✓	100	500	7.3	80
46668	(12X0,34)ST (12XAWG22)ST	✓	100	500	9	110
46669	(14X0,34)ST (14XAWG22)ST	✓	100	500	8.7	120
46670	(18X0,34)ST (18XAWG22)ST	✓	100	500	9.5	140
46671	(20X0,34)ST (20XAWG22)ST	✓		500	10	160
46672	(25X0,34)ST (25XAWG22)ST	✓		100/500	11.4	205

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
46673	(36X0,34)ST (36XAWG22)ST	✓		500	12	250

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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