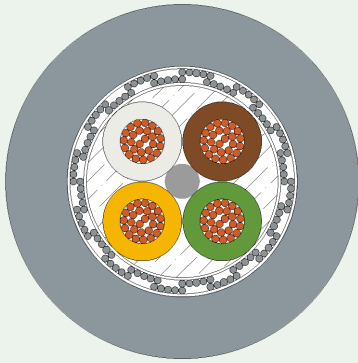


DYNAMIC APPLICATION

PMXX[®] PLUS SIGNAL SHIELDED (SH)



APPLICATIVE FEATURES



**5 MILLION
GUARANTEED CYCLES**



**30,0 M/S²
ACCELERATION**



**15,0 M
CABLE LENGTH**



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



MINIMUM BENDING RADIUS

**CROSS SECTION
MIN (MM²)**

**CROSS SECTION
MAX (MM²)**

**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**



**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	✓		500/100	11.4	205
46673	(36X0,34)ST (36XAWG22)ST	✓		500	12	250

TE.CO. reserves the right to make changes to the products without, however, affecting the essential technical features. Unless specified otherwise, all the product ratings stated are nominal ratings. The RA (XAWG22)ST is provided for illustrative purposes only.

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