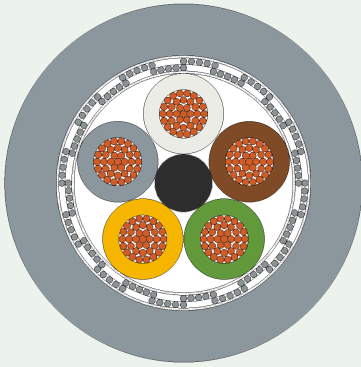


DYNAMIC APPLICATION

FRX[®] PLUS SIGNAL SHIELDED (SH)



APPLICATIVE FEATURES



**5 MILLION
GUARANTEED CYCLES**



**10 M/S²
ACCELERATION**



**10,0 M
CABLE LENGTH**



**180 M/MIN
TRAVEL SPEED**



MINIMUM BENDING RADIUS

**CROSS SECTION
MIN (MM²)**

**CROSS SECTION
MAX (MM²)**

**DYNAMIC
INSTALLATION**

**STATIC
INSTALLATION**

0.14

1.00

7.5xØ

6.0xØ

DESCRIPTION

UL/CSA certified flexible signal transmission cables, designed for low-frequency transmission of analog and digital signals in dynamic drag chains and automatic machinery applications. High workability, oil-resistant PVC outer sheath, low-capacity special insulation, and shield protection from electromagnetic interferences. Suitable for indoor and outdoor use.

APPROVALS



AWM STYLE 20042 90°C
300V
File E244280



AWM I/II A/B 90°C 300V



2014/35/CEE



2014/30/EU



2011/65/UE



1907/2006

TECHNICAL DATA



DYNAMIC
-5 °C +90 °C
STATIC
-40 °C +90 °C



NOMINAL VOLTAGE
300 V



TEST VOLTAGE
2,0 KV



INSULATION RESISTANCE
> 100 MOHM/KM @ 90°C

CONSTRUCTION FEATURES

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

PRODUCTS FEATURES



FIRE PERFORMANCE
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 50363-4-1
UL 1581



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



WATER PERFORMANCE
UL 1581
IEC 60811



HYDROCARBONS PERFORMANCE
UL 1581

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
46637	(2X0,34)ST (2XAWG22)ST	✗	100	500	4.8	32
46656	(2X0,50)ST (2XAWG21)ST	✓		500	5.3	45
46638	(3X0,34)ST (3XAWG22)ST	✓	100/200	500	5	35
46639	(4X0,34)ST (4XAWG22)ST	✗	100	500	5.4	54
46640	(5X0,34)ST (5XAWG22)ST	✓	100	500	5.7	56
46641	(6X0,34)ST (6XAWG22)ST	✓	100	500	6.2	70
46643	(8X0,34)ST (8XAWG22)ST	✓	100	500	7.2	85
46644	(12X0,34)ST (12XAWG22)ST	✓	100	500	7.9	108
46645	(18X0,34)ST (18XAWG22)ST	✓	100	500	9.2	125
46646	(25X0,34)ST (25XAWG22)ST	✓		500	11.2	150

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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