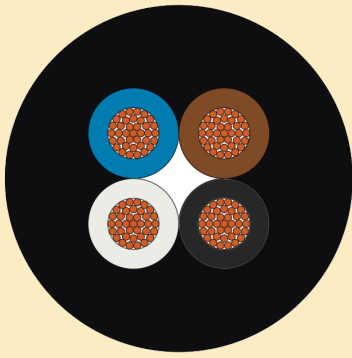


DYNAMIC APPLICATION

FRX[®]

SENSOR&ACTUATOR



APPLICATIVE FEATURES



**5 MILLION
GUARANTEED CYCLES**



**10M/SEC²
ACCELERATION**



**10M
CABLE LENGTH**



**180M/MIN
TRAVEL SPEED**



MINIMUM BENDING RADIUS

CROSS SECTION MIN (MM ²)	CROSS SECTION MAX (MM ²)	DYNAMIC INSTALLATION	STATIC INSTALLATION
0.25	0.34	7.5xØ	6.0xØ

DESCRIPTION

UL/CSA certified flexible multicore cables used in decentralized control technology as connector systems for sensors, actuators, controls, drives, and photocells. Suitable for wiring with ordinary, PNP, NPN, or equivalent type Lumberg sensor cables with medium mechanical stress applications. In combination with injected circular connectors and installed actuator-sensor boxes, they constitute an important connecting element between the periphery and the PLC in production systems. These cables are designed for Dynamic application in drag chains, working in dry conditions with high resistance to industrial oils. Reduced external diameter for low-space applications.

APPROVALS



**AWM STYLE 2464 80°C
300V
File E244280**



AWM I/II A/B 80°C 300V



2014/35/CEE



2011/65/UE



1907/2006

TECHNICAL DATA



STORAGE
-40°C / +80°C
DYNAMIC
-5°C / +80°C
STATIC
-40°C / +80°C
OCCASIONAL FLEXING
-20°C / +80°C



NOMINAL VOLTAGE
300V (UL/CSA AWM)



TEST VOLTAGE
1500 V

CONSTRUCTION FEATURES

SIGNAL CONDUCTORS	CONDUCTOR	CL6 EXTRA-FLEXIBLE (IEC60228) BARE COPPER
	INSULATION	PVC
	INSULATION COLOUR	VARIOUS COLOURS
OVERALL STRANDING	FILLER	FILLER NOT HYGROSCOPIC
	TALC	TALC POWDER
	SHEATH	PVC
	SHEATH COLOUR	MATTE BLACK, RAL: 9005, DESINA: NO

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 50363-4-1 (TM5)
VDE 0207-363-4-1
IEC 60811-404
UL 1581



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



WATER PERFORMANCE
IEC 60811
UL 1581



HYDROCARBONS PERFORMANCE
UL 1581

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)	INS. COLOUR EXC
46741	3X0,34 3XAWG22	X	100	500	4.8	29	BLUE, BROWN, BLACK
27207	4X0,25 4XAWG24	X	100	500/1000	4.4	23	BLUE, BROWN, BLACK, WHITE
27208	4X0,34 4XAWG22	X	100	500	5	35	BLUE, BROWN, BLACK, WHITE

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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