

DYNAMIC APPLICATION

FRX[®] PLUS ENCODER&RESOLVER 4



APPLICATIVE FEATURES



**5 MILLION
GUARANTEED CYCLES**



**10,0 M/S²
ACCELERATION**



**20,0 M
CABLE LENGTH**



**180,00 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 cables for data transmission of encoder and resolver devices, designed for dynamic application in drag chains. They are also suitable for permanently flexible applications that allow free movement without tensile stress and without motion control in dry, damp, and wet environments. Suitable for indoor and outdoor use. Interference is suppressed thanks to the shields.

APPROVALS



**AWM STYLE 20042
90°C 300V**

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 (UL/CSA)**



**TEST VOLTAGE
(C/C)
2000 VRMS / 1 MIN (C/S)
2000 VRMS / 1 MIN**



**INSULATION RESISTANCE
≥ 1 GOHM/KM**

CONSTRUCTION FEATURES

GROUP 1	CONDUCTOR	CL6 EXTRA-FLEXIBLE. TINNED COPPER
	INSULATION	POLYPROPYLENE COMPOUND (PP)
	INSULATION COLOR	COLOURS SEQUENCE REFERS TO DIN 47100 STANDARD
	DRAIN WIRE	DRAIN WIRE TINNED COPPER
	SCREEN	SCREEN TINNED COPPER 90 % ± 5 %
	SEPARATION LAYER	TAPE POLYESTER TRANSPARENT.
	SHEATH	INNER JACKET POLYOLEFIN COMPOUND.
GROUP 2	CONDUCTOR	CL6 EXTRA-FLEXIBLE. TINNED COPPER
	INSULATION	POLYPROPYLENE COMPOUND (PP)
	SCREEN	SCREEN TINNED COPPER 90 % ± 5 %
	SEPARATION LAYER	TAPE POLYESTER TRANSPARENT.
	SHEATH	INNER JACKET POLYOLEFIN COMPOUND.
OVERALL STRANDING	FILLER	FILLER POLYPROPYLENE COMPOUND (PP)
	SEPARATION LAYER	WRAPPING NON-WOVEN TAPE
	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SEPARATION LAYER	OVERALL STRANDING NON-WOVEN TAPE
	SHEATH	PVC COMPOUND.
	SHEATH COLOUR	GREEN, RAL: 6018, DESINA: YES

PRODUCTS FEATURES



FIRE PERFORMANCE
DIN VDE 0482-332-1-2
DIN EN 60332-1-2
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
CEI EN 50289-4-17
ISO 4892-2
ASTM-D-2565-16



WATER PERFORMANCE
UL 1581, IEC 60811



HYDROCARBONS PERFORMANCE
UL 1581

TECO CODE	OEM REF.	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)	INS. COLOUR EXC
46629	HEIDENHAIN	[3X(2X0,14)CCSF-RPE+2X(0,5)SF-RPE]ST [3X(2XAWG26)CCSF/RPE+2X(AWG21)SF/RPE]ST	✓	100	500	8.9	110	GROUP 1 3X(2X0,14) : YE-GN, RD-BU, GY-PK GROUP 2 2X(0,50) : WH, BN

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.

Company managed and coordinated by Erredue S.r.l.. All rights reserved. No reproduction permitted without written permission from TE.CO. Tecnologia Commerciale S.p.A.