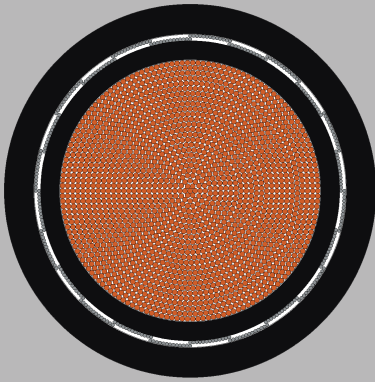


DYNAMIC APPLICATION

FRX[®] PLUS SINGLE CORE SHIELDED (SH)



APPLICATIVE FEATURES



**5 MILLION
GUARANTEED CYCLES**



**10,0 M/S²
ACCELERATION**



**15,0 M
CABLE LENGTH**



**180,0 M/MIN
TRAVEL SPEED**



MINIMUM BENDING RADIUS

CROSS SECTION MIN (MM ²)	CROSS SECTION MAX (MM ²)	DYNAMIC INSTALLATION	STATIC INSTALLATION
4.00	16.00	7.5xØ	4.0xØ
25.00	240.00	10.0xØ	6.0xØ

DESCRIPTION

UL/CSA certified flexible single core power and control cables, designed for dynamic drag chains and automatic machinery applications with free movement without tensile stress or forced movements in dry or moist environment. Suitable for indoor and outdoor use. This type of cables can be a smart alternative to multicore power cables in case space or minimum bending radius requirements are challenging. Screening from electromagnetic interferences thanks to the dense braid shield.

APPROVALS



**AWM STYLE 10678
90°C 1000V**



**AWM I/II A/B 90°C
1000V**



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
1000 V (UL/CSA)
U₀/U 0,6/1 KV (VDE)



TEST VOLTAGE
4,0 KV
TEST VOLTAGE REFERENCE
EN 50395-6-7
UL 1581



INSULATION RESISTANCE
≥ 1 GOHM/KM

CONSTRUCTION FEATURES

POWER CONDUCTORS	CONDUCTOR	CL6 EXTRA-FLEXIBLE. BARE COPPER
	INSULATION	POLYPROPYLENE COMPOUND (PP)
	INSULATION COLOR	BLACK RAL 9005 OR GREEN-YELLOW
	SEPARATION LAYER	INNER TAPE POLYESTER TRANSPARENT OR NON-WOVEN TAPE
OVERALL STRANDING	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SEPARATION LAYER	TAPE NON-WOVEN TAPE
	SHEATH	PVC COMPOUND.
	SHEATH COLOUR	MATTE BLACK, RAL: 9005, DESINA: NO

PRODUCTS FEATURES



FIRE PERFORMANCE
DIN VDE 0482-332-1-2
DIN EN 60332-1-2
IEC 6033-1-2
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	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)
46459	(1X6,00)ST (1XAWG10)ST	✓	100	500	7.2	120
46462	(1X25,00)ST (1XAWG25)ST	✓		500	11.4	350
46463	(1X35,00)ST (1XAWG02)ST	✓		500	13.3	475
46464	(1X50,00)ST (1XAWG01)ST	✓			15.6	700
46465	(1X70,00)ST (1XAWG2/0)ST	✓			17.6	870
46466	(1X95,00)ST (1XAWG3/0)ST	✓			20	1240
46467	(1X120,00)ST (1XAWG4/0)ST	✓			22.6	1450
46468	(1X150,00)ST (1X250KCMIL)ST	✓			24.4	1690
46469	(1X185,00)ST (1X350KCMIL)ST	✓			26.8	2340

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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