

DYNAMIC APPLICATION

FRX® PLUS POWER&CONTROL SINGLE CORE-ST

APPLICATIVE FEATURES



UP TO 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	CROSS SECTION MAX	DYNAMIC INSTALLATION	STATIC INSTALLATION
4,00	16,00	7,5xØ	4,0xØ
25,00	240,00	10,0xØ	6,0xØ

APPROVALS



AWM STYLE 10678
90°C 1000V



AWM I/II A/B 90°C
1000V



2014/35/CEE



2014/30/EU



2011/65/UE
2015/863/UE

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 PART 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 TAPE OR NON-WOVEN TAPE
OVERALL STRANDING	SCREEN	SCREEN TINNED COPPER 85 % \pm 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, UL VW-1, CSA FT1



OIL PERFORMANCE

VDE 0473-811-404; IEC 60811-404 (EU); CEI EN 50363-4-1 (EU); 1581 (UL)



UV PERFORMANCE

ACCORDING TO CEI EN 50289-4-17, ISO 4892-2, ASTM-D-2565-16



WATER PERFORMANCE

UL 1581; IEC 60811



HYDROCARBONS PERFORMANCE

UL 1581

TECO CODE	FORMATION	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]
46459	(1X6,00)ST (1XAWG10)ST	✓	100	500	7.2	120
46460	(1X10,00)ST (1XAWG08)ST	✓	100	500	8.6	155
46462	(1X25,00)ST (1XAWG25)ST	✓			11.4	350
46463	(1X35,00)ST (1XAWG02)ST	✓			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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