

DYNAMIC APPLICATION

FRX® PLUS POWER&CONTROL SINGLE CORE

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



**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

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]
46441	1G4,00 1GAWG12	✗	100	500	5.7	70
46450	1X6,00 1XAWG10	✗	100	500	6.6	98
46442	1G6,00 1GAWG10	✗	100	500	6.6	98
46451	1X10,00 1XAWG08	✓		500	7.9	170
46443	1G10,00 1GAWG08	✓		500	7.9	170
46452	1X16,00 1XAWG6	✓		500	9.2	240
46444	1G16,00 1GAWG06	✓	100	500	9.2	240
46453	1X25,00 1XAWG04	✓		500	11	300
46445	1G25,00 1GAWG04	✓			11	300
46454	1X35,00 1XAWG02	✓			13	410
46446	1G35,00 1GAWG02	✓			13	410
46455	1X50,00 1XAWG01	✓			15	620
46447	1G50,00 1GAWG01	✓			15	620
46456	1X70,00 1XAWG2/0	✓			17	790
46448	1G70,00 1GAWG2/0	✓			17	790
46457	1X95,00 1XAWG3/0	✓			19.2	1150
46458	1X120,00 1XAWG4/0	✓			21.2	1495

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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