

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



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 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

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