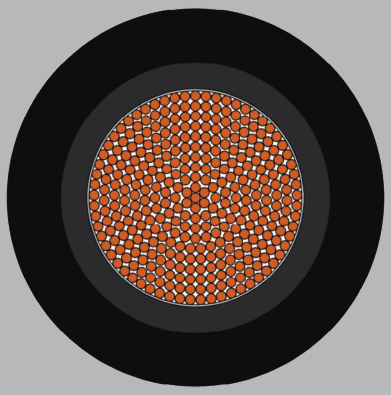
DYNAMIC APPLICATION

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
E244280

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)
U_O/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
	SEPARATIONLAYER	INNER TAPE POLYESTER TRANSPARENT TAPE OR NON-WOVEN TAPE
OVERALL STRANDING	SHEATH	PVC COMPOUND.
	SHEATH COLOUR	MATTE BLACK, RAL: 9005, DESINA: NO

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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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