

DYNAMIC APPLICATION

FRX® PLUS POWER&CONTROL MULTICORE

APPLICATIVE FEATURES



UP TO 5 MILLION
GUARANTEED CYCLES



10,0 M/S²
ACCELERATION



20,0 M
CABLE LENGTH



180,0 M/MIN
TRAVEL SPEED



MINIMUM BENDING RADIUS

CROSS SECTION	CROSS SECTION MAX	DYNAMIC INSTALLATION	STATIC INSTALLATION
0,50	16,00	7,5xØ	4,0xØ
25.00	50,00	10,0xØ	5,0xØ

APPROVALS



AWM STYLE 21179
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
OCCASIONAL FLEXING -20°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 ACC. TO EN 50395
PRT.8

CONSTRUCTION FEATURES

POWER CONDUCTORS

CONDUCTOR

CL6 EXTRA-FLEXIBLE.
BARE COPPER.

INSULATION

POLYPROPYLENE COMPOUND (PP)

INSULATION COLOR

BLACK CORE WITH WHITE
PRINTED NUMBER + GREEN
YELLOW

FILLER

FILLER
POLYPROPYLENE

SEPARATION LAYER

TAPE
NON-WOVEN TAPE

OVERALL STRANDING

FILLER

FILLER
POLYPROPYLENE

SEPARATION LAYER

TAPE
NON-WOVEN TAPE

SHEATH

PVC COMPOUND.

SHEATH COLOUR

GRAY
, RAL: 7001, 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

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]	INS. COLOUR EXC
46439	2X0,50 2XAWG21	✗	100	500	5.2	40	BLACK CORE WITH WHITE PRINTED NUMBERS.
46378	2X1,00 2XAWG18	✗	100	500	6	55	BLACK CORE WITH WHITE PRINTED NUMBERS.
46346	3G0,50 3GAWG21	✗	100	500	5.5	58	
46373	3G0,75 3GAWG19	✗	100	500	6.2	60	
46440	3G1,00 3GAWG18	✗	100		6.3	65	
46391	3G1,50 3GAWG16	✓	100	500	7.2	85	
46399	3G2,50 3GAWG14	✓	100	500	8.4	140	
46405	3G4,00 3GAWG12	✓		500	10.2	220	
46347	4G0,50 4GAWG21	✗	100	500	6.2	60	
46372	4X0,50 4XAWG21	✗	100	500	6.2	60	BLACK CORE WITH WHITE PRINTED NUMBERS.
46382	4G1,00 4GAWG18	✓	100	500	6.8	85	
46398	4G1,50 4GAWG16	✓	100	500	7.8	110	
46400	4G2,50 4GAWG14	✓		500	9.2	180	
46406	4G4,00 4GAWG12	✓		500	11.2	250	
46407	4G6,00 4GAWG10	✓			13.4	360	
46409	4G10,00 4GAWG08	✓			17	610	
46411	4G16,00 4GAWG06	✓			22	980	
46374	5G0,75 5GAWG19	✓	100	500	7.3	85	
46383	5G1,00 5GAWG18	✓	100	500	7.7	95	
46392	5G1,50 5GAWG16	✓	100	500	8.6	140	
46401	5G2,50 5GAWG14	✓		500	10.6	220	
46408	5G6,00 5GAWG10	✓			15	450	
46410	5G10,00 5GAWG08	✓			19	870	
46348	7G0,50 7GAWG21	✓	100	500	7.6	85	
46375	7G0,75 7GAWG19	✓	100	500	8.6	125	
46384	7G1,00 7GAWG18	✓	100	500	9.2	150	
46393	7G1,50 7GAWG16	✓		500	10	215	
46402	7G2,50 7GAWG14	✓		500	12.4	290	
46349	12G0,50 12GAWG21	✓		500	9.6	130	
46376	12G0,75 12GAWG19	✓		500	10.2	180	
46385	12G1,00 12GAWG18	✓		500	10.8	200	

TECO CODE	FORMATION	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]	INS. COLOUR EXC
46386	12X1,00 12XAWG18	✓		500	10.8	200	BLACK CORE WITH WHITE PRINTED NUMBERS.
46394	12G1,50 12GAWG16	✓		500	12.4	290	
46403	12G2,50 12GAWG14	✓			15	450	
46350	18G0,50 18GAWG21	✓		500	10.8	190	
46377	18G0,75 18GAWG19	✓		500	11.9	245	
46387	18G1,00 18GAWG18	✓		500/100	12.9	260	
46395	18G1,50 18GAWG16	✓			15.4	415	
46351	25G0,50 25GAWG21	✓		500/100	13.2	280	
46388	25G1,00 25XAWG18	✓		500	15.2	460	
46396	25G1,50 25GAWG16	✓			19	590	
46404	25G2,50 25GAWG14	✓			22	900	
46352	33G0,50 33GAWG21	✓			14.2	320	
46389	34G1,00 34GAWG18	✓			17.5	540	
46390	50G1,00 50GAWG18	✓			21.2	880	

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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