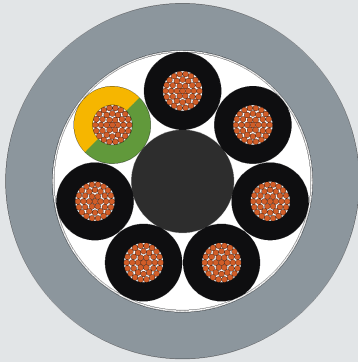


DYNAMIC APPLICATION

FRX[®] PLUS MULTICORE



APPLICATIVE FEATURES



**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 MIN (MM ²)	CROSS SECTION MAX (MM ²)	DYNAMIC INSTALLATION	STATIC INSTALLATION
0.50	16.00	7.5xØ	4.0xØ
25.00	50.00	10.0xØ	5.0xØ

DESCRIPTION

UL/CSA certified flexible multicore cables designed for dynamic application in drag chains, also suitable for permanently flexible applications that allow free movement without tensile stress and without motion control in dry, damp, and wet environments. This family satisfies the requirements of the most commonly used cables in tool power supply and in generic industrial wiring harnesses. Reduced diameter and optimized minimum bending radius thanks to the low-capacity material. Suitable for indoor and outdoor use as well.

APPROVALS



**AWM STYLE 21179
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
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 50395-6-7
UL 1581



INSULATION RESISTANCE
≥ 1 GOHM/KM

CONSTRUCTION FEATURES

POWER CONDUCTORS	CONDUCTOR	CL6 EXTRA-FLEXIBLE. BARE COPPER
	INSULATION	POLYPROPYLENE COMPOUND (PP)
	INSULATION COLOR	BLACK 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.

PRODUCTS FEATURES



FIRE PERFORMANCE
DIN VDE 0482-332-1-2
DIN EN 60332-1-2
IEC 6033-1-2
UL CABLE FLAME
VW-1 (UL)
FT1 (CSA)



OIL PERFORMANCE
VDE 0473-811-404
IEC 60811-404
CEI EN 50363-4-1
UL 1581



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	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)	INS. COLOUR EXC
46439	2X0,50 2XAWG21	✗	100		5.2	40	
46378	2X1,00 2XAWG18	✗	100	500	6	55	
46346	3G0,50 3GAWG21	✓	100	500	5.5	58	
46373	3G0,75 3GAWG19	✓	100	500	6.2	60	
46440	3G1,00 3GAWG18	✓	100/200	500	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	✓		500	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		8.6	140	
46401	5G2,50 5GAWG14	✓		500	10.6	220	
46408	5G6,00 5GAWG10	✓		500	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	✓	100	500	9.6	130	
46376	12G0,75 12GAWG19	✓		500	10.2	180	
46385	12G1,00 12GAWG18	✓		500	10.8	200	
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	✓		500	15	450	
46350	18G0,50 18GAWG21	✓	100	500	10.8	190	
46377	18G0,75 18GAWG19	✓		500	11.9	245	
46387	18G1,00 18GAWG18	✓		500/100	12.9	260	

TECO CODE	N° CORES X CROSS- SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)	INS. COLOUR EXC
46395	18G1,50 18GAWG16	✓			15.4	415	
46351	25G0,50 25GAWG21	✓		500/100	13.2	280	
46388	25G1,00 25XAWG18	✓		100	15.2	460	
46396	25G1,50 25GAWG16	✓			19	590	
46404	25G2,50 25GAWG14	✓			22	900	
46352	33G0,50 33GAWG21	✓		500	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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