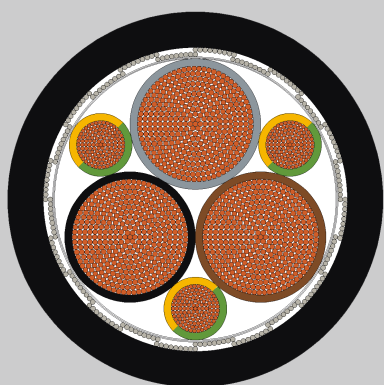


STATIC APPLICATION



VFDRI[®]

2XSLCYK-JB

APPLICATIVE FEATURES



MINIMUM BENDING RADIUS

CROSS SECTION MIN (MM ²)	CROSS SECTION MAX (MM ²)	DYNAMIC INSTALLATION	STATIC INSTALLATION
1.5	2.5	10xØ (occ. flexing)	4.0xØ
4.0	16.0	15xØ (occ. flexing)	4.0xØ
25.0	240.0	20xØ (occ. flexing)	4.0xØ

DESCRIPTION

UL/CSA certified cables for connection between the motor and frequency converter for applications involving static or occasional free movement, with medium mechanical stress in dry, damp, and wet environments, both indoor and outdoor. The symmetrical configuration with a reduced diameter, achieved by splitting the earth protection conductor into three, is designed to allow corrected and balanced control of the motor by the inverter, significantly reducing electromagnetic disturbances thanks to the double shielding. These cables are particularly suitable for the paper industry, metal processing, heavy industry, and installations with presses.

APPROVALS



AWM STYLE 21179 90°C
1000V
File E244280



AWM I/II A/B 90°C
1000V



2014/35/CEE



2014/30/EU



2011/65/UE



1907/2006

TECHNICAL DATA



DURING INSTALLATION
0°C +60°C
STATIC
-40°C +90°C
OCCASIONAL FLEXING
-15°C +90°C



NOMINAL VOLTAGE
1000V (UL/CSA AWM)
U₀/U 600/1000V (IEC)



TEST VOLTAGE
4000V
TEST VOLTAGE REFERENCE
EN 50395/EN 50396
UL 1581



INSULATION RESISTANCE
>1GΩ/KM @20°C



CURRENT CAPACITY
IEC 60364-5-52
INSTALLATION IN FREE AIR AWAY
FROM WALL/CEILING OR ON A
TRAVERSE

CONSTRUCTION FEATURES

GROUP PHASE CONDUCTORS	CONDUCTOR	CL5 FLEXIBLE. BARE COPPER
	INSULATION	XLPE (UL 1581)
	INSULATION COLOR	UNEL TABLE COLOUR
GROUP GROUNDING CONDUCTORS	CONDUCTOR	CL5 FLEXIBLE. BARE COPPER
	INSULATION	XLPE (UL 1581)
	INSULATION COLOR	GREEN/YELLOW
OVERALL STRANDING	FILLER	FILLER NOT HYGROSCOPIC
	SEPARATION LAYER	TAPE POLYESTER TRANSPARENT
	SEPARATION LAYER	SHIELDED TAPE MYLAR/ALLUMINIUM
	SCREEN	SCREEN TINNED COPPER 85 % ± 5 %
	SHEATH	PVC COMPOUND.
	SHEATH COLOUR	MATTE BLACK, RAL: 9005, DESINA: NO

PRODUCTS FEATURES



FIRE PERFORMANCE

IEC 60332-1-2
UL CABLE FLAME
VW-1 (UL)
FT1 (CSA)



OIL PERFORMANCE

IEC 60811-404
DIN EN 50290-2-22
VDE 0819-102
TM54



UV PERFORMANCE

ISO 4892-3 (CHANGE OF COLOUR
ALLOWED)
EN 50525-1 CABLES WITH BLACK
SHEATH ARE SUITABLE FOR
PERMANENT OUTDOOR USE



WATER PERFORMANCE

SUITABLE FOR USE IN DRY, DAMP
AND WET ENVIRONMENTS.



COLD PERFORMANCE

IEC 60811-504

TECO CODE	N° CORES X CROSS-SECTION	CUT	ROLLS (M)	DRUMS (M)	EXT Ø (MM)	WEIGHT (KG/KM)	CURRENT CARRYING CAPACITIES @30°C (A).
41960	(3X1,50+3G0,25)ST (3XAWG16+3GAWG24)ST	✓	100	500	8.2	120	23
41961	(3X2,50+3G0,50)ST (3XAWG14+3GAWG21)ST	✓		500	10.1	196	32
41962	(3X4,00+3G0,75)ST (3XAWG12+3GAWG19)ST	✓		500	11.7	255	42
41963	(3X6,00+3G1,00)ST (3XAWG10+3GAWG18)ST	✓		500	13	350	54
41964	(3X10,00+3G1,50)ST (3XAWG08+3GAWG16)ST	✓			15.8	550	75
41965	(3X16,00+3G2,50)ST (3XAWG06+3GAWG14)ST	✓			18	810	100
41966	(3X25,00+3G4,00)ST (3XAWG04+3GAWG12)ST	✓			21.5	1220	127
41967	(3X35,00+3G6,00)ST (3XAWG02+3GAWG10)ST	✓			24.8	1710	158
41968	(3X50,00+3G10,00)ST (3XAWG1/0+3GAWG08)ST	✓			29	2405	192
41969	(3X70,00+3G10,00)ST (3XAWG2/0+3XAWG08)ST	✓			33.4	3180	246
41970	(3X95,00+3G16,00)ST (3XAWG3/0+3GAWG06)ST	✓			37.2	3920	298
41971	(3X120,00+3G16,00)ST (3XAWG4/0+3GAWG06)ST	✓			40.9	5900	346
41972	(3X150,00+3G25,00)ST (3X250KCMIL+3GAWG04)ST	✓			46.8	6460	399
41973	(3X185,00+3G35,00)ST (3X350KCMIL+3GAWG02)ST	✓			52.6	8350	456
61213	(3X240,00+3G50,00)ST (3X450KCMIL+3GAWG01)ST	✓			58.4	9600	538

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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