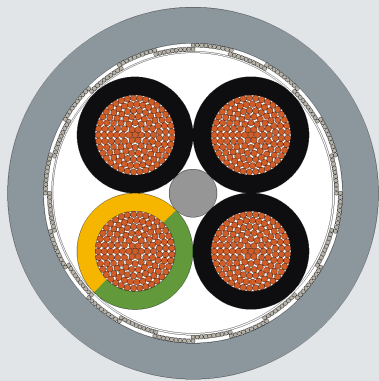


STATIC APPLICATION

STYLE 21179

POWER&CONTROL MULTICORE-ST

APPLICATIVE FEATURES



MINIMUM BENDING RADIUS

CROSS SECTION	CROSS SECTION MAX	DYNAMIC INSTALLATION	STATIC INSTALLATION
0.50	95.00	occ. flexing 10x ϕ	4.0x ϕ

APPROVALS



AWM STYLE 21179
90°C 1000V



AWM I/II A/B 90°C
1000V



2014/35/CEE



2014/30/EU



2011/65/UE



1907/2006

TECHNICAL DATA



INSTALLATION
0°C +70°C
STATIC
-40°C +70°C (IEC 60811-504)
-40°C +90°C (UL/CSA)
OCCASIONAL FLEXING
-5°C +70°C (IEC 60811-504)
-5°C +90°C (UL/CSA)



NOMINAL VOLTAGE
1000 V (UL/CSA)
 U_0/U 0,6/1 KV (VDE)



TEST VOLTAGE
4.0KV
TEST VOLTAGE REFERENCE
EN 50395 PART 6-7
UL/1581



INSULATION RESISTANCE
AT 20°C > 200 MOHM/KM



NOMINAL IMPEDANCE
N.A.

CONSTRUCTION FEATURES

POWER CONDUCTORS

CONDUCTOR

CL5 FLEXIBLE.
BARE COPPER.

INSULATION

PVC COMPOUND.

INSULATION COLOR

BLACK CORE WITH WHITE PRINTED NUMBER + GREEN
YELLOW

OVERALL STRANDING

FILLER

FILLER
POLYPROPYLENE

SEPARATION LAYER

TAPE
POLYESTER TRANSPARENT.

SCREEN

SCREEN
TINNED COPPER
85 % \pm 5 %

SHEATH

PVC COMPOUND.

SHEATH COLOUR

GRAY, RAL: 7001, DESINA: NO

PRODUCTS FEATURES



FIRE PERFORMANCE

SELF-EXTINGUISHING AND FLAME
RETARDANT ACC. TO DIN VDE 0482-
332-1-2
DIN EN 60332-1-2
VW-1(UL)
FT1(CSA)
IEC 60332-1-2(EU)



OIL PERFORMANCE

VDE
0473-811-404(EU)
IEC 60811-404(EU)
EN 50290-2-22 TM54(EU) (CEI 20-
34/0-1
4 H / 70°C
OIL IRM 902)



UV PERFORMANCE

ISO 4892-3 / EN 50289-4-17(EU)

TECO CODE	FORMATION	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]	INS. COLOUR EXC	MAX. CONDUCTOR RESISTANCE @20°C [OHM/KM]	MAX. GROUND CONDUCTOR RESISTANCE @20°C [OHM/KM]	CURRENT CARRYING CAPACITIES @30°C [A].
37451	(2X0,50)ST (2XAWG21)ST	✓	100/200	500	5.6	47				
34163	(2X1,00)ST (2XAWG18)ST	✓	100/200		6.4	65				
34164	(3X1,00)ST (3XAWG18)ST	✓	100/200		6.9	80	BLACK CORE WITH WHITE PRINTED NUMBERS.			
39277	(3G1,00)ST (3GAWG18)ST	✓	100	500	6.9	80				
34170	(3G1,50)ST (3GAWG16)ST	✓	100	500	7.5	100				
34829	(3G2,50)ST (3GAWG14)ST	✓	100	500	9.1	155				
39278	(4X0,50)ST (4XAWG21)ST	✓	100/200	500	6.4	67				
34165	(4G1,00)ST (4GAWG18)ST	✓	100	500	7.4	97				
34171	(4G1,50)ST (4GAWG16)ST	✓	100	500	8.2	120				
34176	(4G2,50)ST (4GAWG14)ST	✓	100	500	9.6	180				
34177	(4G4,00)ST (4GAWG12)ST	✓		500	11.3	260				
34178	(4G6,00)ST (4GAWG10)ST	✓		500	13.4	384				
34179	(4G10,00)ST (4GAWG08)ST	✓			17.1	680				
34180	(4G16,00)ST (4GAWG06)ST	✓			19.7	890				
34181	(4G25,00)ST (4GAWG04)ST	✓			25	1500				
34182	(4G35,00)ST (4GAWG02)ST	✓			28.8	2041				
34162	(5G0,50)ST (5GAWG21)ST	✓	100	500	7	80				
55064	(5G1,50)ST (5GAWG16)ST	✓	100/200	500	8.9	155				
34828	(5G6,00)ST (5GAWG10)ST	✓		500	15	470				
39860	(6G1,00)ST (6GAWG18)ST	✓	100	500	8.7	140				
37452	(7G1,00)ST (7GAWG18)ST	✓	100	500	8.7	155				
34172	(7G1,50)ST (7GAWG16)ST	✓		500	9.5	190				
34833	(7G2,50)ST (7GAWG14)ST	✓		500	11.9	280				
34166	(12G1,00)ST (12GAWG18)ST	✓		500	11.2	230				
34173	(12G1,50)ST (12GAWG16)ST	✓		500	12.5	300				
34909	(12G2,5)ST (12GAWG14)ST	✓			15.4	475				
34167	(18G1,00)ST (18GAWG18)ST	✓		500	13.1	320				
34174	(18G1,50)ST (18GAWG16)ST	✓		500	15	450				
34910	(18G2,50)ST (18GAWG14)ST	✓			18.1	690				
34168	(25G1,00)ST (25GAWG18)ST	✓			15.3	440				
34175	(25G1,50)ST (25GAWG16)ST	✓			17.7	595				

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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