

# STATIC APPLICATION

## STYLE 21179 POWER&CONTROL MULTICORE

### APPLICATIVE FEATURES



#### MINIMUM BENDING RADIUS

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

### 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



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);  
U0/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

TALC

TALC POWDER

SHEATH

PVC COMPOUND.

SHEATH COLOUR

GRAY  
, RAL: 7001, DESINA: NO

## PRODUCTS FEATURES

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### 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
34273	<b>2X0,50</b> 2XAWG21	✗	100	500	5.2	41	
34241	<b>2X1,00</b> 2XAWG18	✗	100	500	5.8	53	
39856	<b>2X1,50</b> 2XAWG16	✓	100	500	6.5	73	
39857	<b>2X2,50</b> 2XAWG14	✓	100	500	7.6	110	
39879	<b>2X4,00</b> 2XAWG12	✓	100	500	8.8	155	
38160	<b>3G0,50</b> 3GAWG21	✗	100	500	5.4	48	
39276	<b>3X0,50</b> 3XAWG21	✗		500	5.4	48	BLACK CORE WITH WHITE PRINTED NUMBERS.
34242	<b>3G1,00</b> 3GAWG18	✓	100/200	500/1000	6.1	65	
34251	<b>3G1,50</b> 3GAWG16	✓	100	500	6.8	90	
34258	<b>3G2,50</b> 3GAWG14	✓	100	500/1000	8.1	137	
34266	<b>3G4,00</b> 3GAWG12	✓		500	9.4	200	
34269	<b>3G6,00</b> 3GAWG10	✓		500	11.3	290	
38161	<b>4G0,50</b> 4GAWG21	✗	100	500	5.9	55	
34243	<b>4G1,00</b> 4GAWG18	✓	100	500	6.8	80	
34252	<b>4G1,50</b> 4GAWG16	✓	100	500	7.4	110	
34259	<b>4G2,50</b> 4GAWG14	✓	100	500/1000	8.8	170	
34267	<b>4G4,00</b> 4GAWG12	✓		500/100	10.7	250	
34270	<b>4G6,00</b> 4GAWG10	✓		100	12.6	360	
34271	<b>4G10,00</b> 4GAWG08	✓			17	600	
34272	<b>4G16,00</b> 4GAWG06	✓			19.4	920	
37438	<b>4G25,00</b> 4GAWG04	✓			24	1420	
34274	<b>5G0,50</b> 5GAWG21	✓	100	500	6.5	65	
34244	<b>5G1,00</b> 5GAWG18	✓	100	500/1000	7.4	100	
34253	<b>5G1,50</b> 5GAWG16	✓	100	500	8.2	136	
34260	<b>5G2,50</b> 5GAWG14	✓		500	9.9	210	
34268	<b>5G4,00</b> 5GAWG12	✓		500	11.7	320	
34939	<b>5G6,00</b> 5GAWG10	✓			14	460	
39858	<b>5G16,00</b> 5GAWG06	✓			21.7	1099	
39859	<b>5G25,00</b> 5GAWG04	✓			26.5	1694	
38162	<b>7G0,50</b> 7GAWG21	✓	100	500	6.9	78	
34245	<b>7G1,00</b> 7GAWG18	✓	100	500	8	125	

TECO CODE	FORMATION	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]	INS. COLOUR EXC
37453	<b>7X1,00</b> 7XAWG18	✓	100	500	8	125	BLACK CORE WITH WHITE PRINTED NUMBERS.
34254	<b>7G1,50</b> 7GAWG16	✓			8.8	170	
34261	<b>7G2,50</b> 7GAWG14	✓		100	10.8	270	
38163	<b>12G0,50</b> 12GAWG21	✓	100	500	8.9	130	
34246	<b>12G1,00</b> 12GAWG18	✓	100	500	10.5	210	
34255	<b>12G1,50</b> 12GAWG16	✓		500	11.8	280	
34262	<b>12G2,50</b> 12GAWG14	✓			14.5	450	
34263	<b>14G2,50</b> 14GAWG14	✓			15.7	530	
38164	<b>18G0,50</b> 18GAWG21	✓		500	10.6	188	
34247	<b>18G1,00</b> 18GAWG18	✓		500/100	12.5	305	
34256	<b>18G1,50</b> 18GAWG16	✓			14	415	
34264	<b>18G2,50</b> 18GAWG14	✓			17.4	660	
38165	<b>25G0,50</b> 25GAWG21	✓		500	12.3	260	
34248	<b>25G1,00</b> 25GAWG18	✓		100	14.6	400	
34257	<b>25G1,50</b> 25GAWG16	✓			16.4	560	
34265	<b>25G2,50</b> 25GAWG14	✓			20.4	890	
37455	<b>25G4,00</b> 25GAWG12	✗			25.2	1428	
34249	<b>34G1</b> 34GAWG18	✓			17.1	560	
34250	<b>41G1,00</b> 41GAWG18	✓			18.4	670	

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