

STATIC APPLICATION

TC-ER POWER&CONTROL MULTICORE

APPLICATIVE FEATURES



MINIMUM BENDING RADIUS

CROSS SECTION	CROSS SECTION MAX	DYNAMIC INSTALLATION	STATIC INSTALLATION
1.00	95.00	occ. flexing 15 x Ø	6xØ

APPROVALS



TC-ER 90°C 600V



MTW 90°C 600V



AWM STYLE 21179
90°C 1000V



AWM I/II A/B 90°C
1000V



CSA CIC-TC-ER
90°C 600V



2014/35/CEE



2011/65/UE
2015/863/UE

TECHNICAL DATA



STATIC -40°C +90°C
OCCASIONAL FLEXING -5°C
+90°C



NOMINAL VOLTAGE UL AWM =
90°C 1000 V; UL TC-ER / MTW =
600 V; IEC/VDE = 600/1000 V;
CSA = 90°C 1000 V; CSA CIC/TC-
ER = 90°C 600 V



TEST VOLTAGE 2000V (ACC. TO
UL 1277 TAB. 14.1) - 4000V (ACC.
TO UL 758 TAB. 29.1)



INSULATION RESISTANCE ≥ 200
MΩ X KM

CONSTRUCTION FEATURES

POWER CONDUCTORS	CONDUCTOR	CL5 FLEXIBLE. BARE COPPER.
	INSULATION	PVC COMPOUND.
OVERALL STRANDING	FILLER	FILLER NOT HYGROSCOPIC, PRODUCED OUT OF SUITABLE MATERIALS
	TALC	TALC POWDER
	SHEATH	PVC COMPOUND.
	SHEATH COLOUR	GRAY , RAL: 7001, DESINA: NO

PRODUCTS FEATURES

FIRE PERFORMANCE

UL 1581 SECTION 1160 (UL VERTICAL-TRAY FLAME TEST)
CSA FT4, FT1, FT2
UL 1581 VW-1 / CABLE FLAME TEST
UL 1685 – FT4/IEEE 1202 VERTICAL FLAME TEST
IEC 60332-1-2



OIL PERFORMANCE

OIL RES I, UL 1277, UL 1063 , VDE 0473-811-404, IEC 60811-404, UL 1581



UV PERFORMANCE

SUN RESISTANT UL 1277 TAB.20



WATER PERFORMANCE

UL 90° DRY
UL WET APPROVAL 75°C



MUD PERFORMANCE

UL 1277 - DIR BUR (DIRECT BURIAL) ACC. TO NFPA 70
UL TYPE TC (TRAY CABLE) - ER (EXPOSED RUN) ACC. TO UL 1277



TECO CODE	FORMATION	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]
27383	2X1,00 2XAWG18	✓	100	500	8	88
43303	2X1,50 2XAWG16	✓	100	500	8.6	110
27100	3G1,00 3GAWG18	✓	100	500	8.4	100
27384	3G1,50 3GAWG16	✓		500	9.3	135
27385	3G2,50 3GAWG14	✓		500	10	170
34287	3G4,00 3GAWG12	✓		500	11.5	230
38734	3G6,00 3GAWG10	✓			12.5	310
27386	4G1,00 4GAWG18	✓	100	500	9.2	125
27387	4G1,50 4GAWG16	✓			9.8	160
27388	4G2,50 4GAWG14	✓		500	11	220
27389	4G4,00 4GAWG12	✓		500	12.5	290
27390	4G6,00 4GAWG10	✓			14.5	415
27391	4G10,00 4GAWG08	✓			18.8	683
27392	4G16,00 4GAWG06	✓			23.9	1115
36440	4G25,00 4GAWG04	✓			27.6	1610
28075	4G35,00 4GAWG02	✓			30.6	2048
39288	4G50,00 4GAWG01	✓			38	3070
36443	4G70,00 4GAWG2/0	✓			42	4245
43302	4G95,00 4GAWG3/0	✓			47	5200
34935	5G1,00 5GAWG18	✓			10	150
27544	5G1,50 5GAWG16	✓		500	10.9	190
28982	5G2,50 5GAWG14	✓		500	12.1	255
34936	5G4,00 5GAWG12	✓			14.5	382
38735	5G6,00 5GAWG10	✓			16	505
43304	5G10,00 5GAWG08	✓			20.8	860
43306	5G25,00 5GAWG04	✓			30.4	2000
27099	7G1,00 7GAWG18	✓		500	11	185
27545	7G1,50 7GAWG16	✓		500	12	240
27546	7G2,50 7GAWG14	✓			13.2	320
36441	7G4,00 7GAWG12	✓			15.8	485
28983	10G1,00 10GAWG18	✓			14	270

TECO CODE	FORMATION	CUT	ROLLS [M]	DRUMS [M]	EXT Ø [MM]	WEIGHT [KG/KM]
27098	12G1,00 12AWG18	✓		500	15	335
27547	12G1,50 12GAWG16	✓			16.2	420
27548	12G2,50 12GAWG14	✓			17.5	580
39266	16G1,00 16GAWG18	✓			16.4	413
28984	18G1,00 18GAWG18	✓			17.4	465
27549	18G1,50 18GAWG16	✓			19	590
36436	18G2,50 18GAWG14	✓			21.1	820
28985	25G1,00 25GAWG18	✓			20.2	615
27550	25G1,50 25GAWG16	✓			22.8	785
39265	25G2,50 25GAWG14	✓			25.2	1170
39267	34G1,00 34GAWG18	✓			24.3	890
39268	41G1,00 41GAWG18	✓			25.8	1040

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