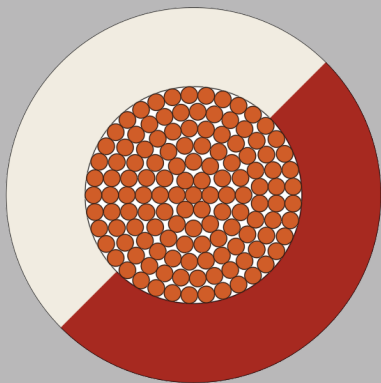




STATIC APPLICATION

TECWIRE® MULTIRATED HAR-MTW-TEW

APPLICATIVE FEATURES



MINIMUM BENDING RADIUS

CROSS SECTION MIN (MM ²)	CROSS SECTION MAX (MM ²)	DYNAMIC INSTALLATION	STATIC INSTALLATION
1.50	300.00		6.0xØ

DESCRIPTION

These multi-rated flexible single core cables are UL and CSA approved, primarily designed for control cabinet wiring or installation in protective tubes. They can also be used indoors as fixed lay on bare walls, pipes, ducts, switchgears, or signal and control panels, within the UL-CSA standard specifications.

APPROVALS



MTW 90°C 600V



**AWM STYLE 1015
105°C 600V**



**AWM STYLE 10269
105°C 1000V**



**AWM I A/B 105°C
1000V (>120MMQ)**



CSA TEW 105°C 600V



**2014/35/CEE -07V2-
K**



2011/65/UE



1907/2006



BS TYPE CK (90°C)

TECHNICAL DATA



DURING INSTALLATION

+5 °C +70 °C

STATIC

-40 °C +105 °C (AWM, CSA TEW,
CSA AWM)

+90 °C (MTW, HAR)

OCCASIONAL FLEXING

+5 °C +105 °C (AWM, CSA TEW,
CSA AWM)

+90 °C (MTW, HAR)



TEST VOLTAGE

3000 V (UL)

2,5 KV (EU)

*

TEST VOLTAGE REFERENCE

* EN 50525-1, EN 50525-2-31



NOMINAL VOLTAGE

600 V (UL/CSA TEW)

1000 V (RU/CSA AWM)

450/750 V (EU)

CONSTRUCTION FEATURES

GROUP 1	CONDUCTOR	CL5 FLEXIBLE. BARE COPPER
	INSULATION	PVC COMPOUND.
	INSULATION COLOR	VARIOUS COLOURS

PRODUCTS FEATURES



FIRE PERFORMANCE

DIN VDE 0482-332-1-2

DIN EN 60332-1-2

VW-1 (UL)

FT1 (CSA)

IEC 60332-1-2



OIL PERFORMANCE

OIL RES I

60 °C UL 1063

EN 50290-2-22

TM54 CEI 20-34/0-1 4 H @ 70 °C OIL

IRM 902

	CROSS SECTION MM ² (AWG)	1.50 (AWG16)	2.50 (AWG14)	4.00 (AWG12)	6.00 (AWG10)	10.00 (AWG08)	16.00 (AWG06)	25.00 (AWG04)	50.00 (AWG01)	52.00 (AWG1/0)	70.00 (AWG2/0)	95.00 (AWG3/0)	120.00 (AWG4/0)	150.00 (250KCMIL)	185.00 (350KCMIL)	240.00 (450KCMIL)	300.00 (550KCMIL)
	YELLOW RAL 1021	37482	38067	38080	38093	38106	38118	38126									
	GREEN RAL 6018	37484	38069	38082	38095	38108	38120		38140	38726	38146	38151	38155				
	WHITE RAL 9010 - RED RAL 3000	37486	38071	38084	38099												
	WHITE RAL 9010 - BLUE RAL 5015	37487	38072	38085	38097	38111	39299	38127									
	WHITE RAL 9010 - ORANGE RAL 2003	38693	38073	38694	38728	38729											
	WHITE RAL 9010 - YELLOW RAL 1021	38697		38086	38098												
	YELLOW RAL 1021 - GREEN RAL 6018								38134	38724	38142	38149		38698			
	BLACK RAL 9005								38135	38725	38143	38150	38154	38156	38157	38158	38159
	ORANGE RAL 2003									38727	38147						
	CROSS SECTION MM ² (AWG)	1.50 (AWG16)	2.50 (AWG14)	4.00 (AWG12)	6.00 (AWG10)	10.00 (AWG08)	16.00 (AWG06)	25.00 (AWG04)	50.00 (AWG01)	52.00 (AWG1/0)	70.00 (AWG2/0)	95.00 (AWG3/0)	120.00 (AWG4/0)	150.00 (250KCMIL)	185.00 (350KCMIL)	240.00 (450KCMIL)	300.00 (550KCMIL)
CUT	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
ROLLS (M)	100	100	100	100													
DRUMS (M)	915	610	305	305	100	100	100										
DIAMETER (MM)	3.2	3.6	4.1	4.7	6.3	8	9.2	12.9	13.9	15	16.2	17.9	20.2	22.4	24.3	27.1	
CABLE WEIGHT (KG/KM)	23	34	48	67	119	187	291	580	615	780	1055	1175	1425	1735	2310	2950	

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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