

TC-ER MTW LISTED

Cavi multipolari, resistenti all'olio,
a norme UL, MTW, TC-ER, THHN, WTTC, CSA CONTROL CIC



DATI TECNICI

Raggio di curvatura minimo	5 x diametro cavo, posa fissa 15 x diametro cavo, per movimentazione occasionale
Conduttore	Flessibile in rame rosso conforme a: UL 1581 Tab. 20.1 UL 83 ASTM B 3-95 VDE 0295 classe 5
Isolamento	PVC conforme a UL 66 - UL 83 - UL 1063 Nylon conforme a UL
Distinzione	Neri numerati + giallo/verde
Guaina	PVC O.R. conforme a UL 1277 - UL 1063 colore: nero
Tensione di lavoro	UL AWM 600 V UL TC-ER/MTW 600 V UL WTTC 1000 V
Rigidità dielettrica	2000 V
Resistenza di isolamento	$\geq 200 \text{ M}\Omega \times \text{km}$
Temperatura di stoccaggio	-40°C +90°C
Temperatura di esercizio	-40°C +90°C per posa fissa -5°C +90°C per movimentazione occasionale
Conformità	RoHS

APPLICAZIONI

Alimentazione o segnali
Macchine utensili
Macchine lavorazione legno
Macchine lavorazione marmo
Hazardous Area - NEC Class I - Div. II

RIFERIMENTO NORMATIVO



Resistenza all'olio
Oil resistant 1 (UL 1277)



Resistenza alla fiamma
UL 1581 section 1160
CSA FT4



Resistenza U.V.
Conforme



Direct Burial
Conforme



Resistenza all'acqua
UL WET Approval 75°C

Codice articolo	Formazione n° × mmq	Diam. mm	Cu kg/km
18 AWG			
ORTY1,0/02	2x1	7.0	19
ORTY1,0/03	3G1	7.4	29
ORTY1,0/04	4G1	8.0	38
ORTY1,0/05	5G1	8.7	48
ORTY1,0/06	6G1	9.4	58
ORTY1,0/07	7G1	9.4	67
ORTY1,0/08	8G1	10.3	77
ORTY1,0/09	9G1	11.3	86
ORTY1,0/10	10G1	11.7	96
ORTY1,0/12	12G1	12.1	115
ORTY1,0/14	14G1	12.7	134
ORTY1,0/15	15G1	13.4	144
ORTY1,0/16	16G1	13.9	154
ORTY1,0/18	18G1	14.6	173
ORTY1,0/19	19G1	14.6	182
ORTY1,0/20	20G1	15.9	192
ORTY1,0/24	24G1	17.4	230
ORTY1,0/25	25G1	17.4	240
ORTY1,0/28	28G1	18.3	269
ORTY1,0/30	30G1	18.3	288
ORTY1,0/34	34G1	19.0	330
ORTY1,0/37	37G1	19.6	355
ORTY1,0/41	41G1	21.5	395
ORTY1,0/50	50G1	23.6	480
ORTY1,0/61	61G1	28.0	585

16 AWG			
ORTY1,5/02	2x1.5	7.5	29
ORTY1,5/03	3G1.5	7.9	43
ORTY1,5/04	4G1.5	8.6	58
ORTY1,5/05	5G1.5	9.3	72
ORTY1,5/06	6G1.5	10.1	86
ORTY1,5/07	7G1.5	10.1	101
ORTY1,5/08	8G1.5	11.7	115
ORTY1,5/09	9G1.5	12.5	130
ORTY1,5/10	10G1.5	12.7	144
ORTY1,5/12	12G1.5	14.1	173
ORTY1,5/14	14G1.5	14.7	202
ORTY1,5/15	15G1.5	15.5	216
ORTY1,5/16	16G1.5	15.5	230
ORTY1,5/18	18G1.5	16.3	259
ORTY1,5/19	19G1.5	16.3	274
ORTY1,5/20	20G1.5	17.2	288
ORTY1,5/24	24G1.5	18.9	346
ORTY1,5/25	25G1.5	19.3	360
ORTY1,5/30	30G1.5	20.0	430
ORTY1,5/34	34G1.5	21.0	490
ORTY1,5/37	37G1.5	22.4	532
ORTY1,5/41	41G1.5	24.0	590
ORTY1,5/50	50G1.5	26.5	720
ORTY1,5/61	61G1.5	28.0	879

14 AWG			
ORTY2,5/02	2x2.5	8.4	48
ORTY2,5/03	3G2.5	8.8	72
ORTY2,5/04	4G2.5	9.7	96
ORTY2,5/05	5G2.5	10.5	120
ORTY2,5/06	6G2.5	11.5	144
ORTY2,5/07	7G2.5	11.5	168
ORTY2,5/08	8G2.5	12.6	192
ORTY2,5/09	9G2.5	14.6	216
ORTY2,5/10	10G2.5	15.4	240
ORTY2,5/12	12G2.5	15.9	288

Codice articolo	Formazione n° × mmq	Diam. mm	Cu kg/km
ORTY2,5/14	14G2.5	16.7	336
ORTY2,5/15	15G2.5	17.5	360
ORTY2,5/16	16G2.5	17.5	384
ORTY2,5/18	18G2.5	18.5	432
ORTY2,5/19	19G2.5	18.5	456
ORTY2,5/20	20G2.5	19.6	480
ORTY2,5/30	30G2.5	25.0	720
ORTY2,5/37	37G2.5	27.0	878

12 AWG			
ORTY4,0/03	3G4	10.2	115
ORTY4,0/04	4G4	11.0	154
ORTY4,0/05	5G4	12.1	192
ORTY4,0/06	6G4	13.2	230
ORTY4,0/07	7G4	13.2	269
ORTY4,0/08	8G4	15.2	307
ORTY4,0/09	9G4	16.4	346
ORTY4,0/10	10G4	17.5	384

10 AWG			
ORTY6,0/03	3G6	12.8	173
ORTY6,0/04	4G6	14.3	230
ORTY6,0/05	5G6	15.6	288
ORTY6,0/06	6G6	17.0	346
ORTY6,0/07	7G6	17.0	403

8 AWG			
ORTY10/03	3G10	17.0	288
ORTY10/04	4G10	18.7	384
ORTY10/05	5G10	21.5	480

6 AWG			
ORTY16/03	3G16	19.4	461
ORTY16/04	4G16	22.4	614
ORTY16/05	5G16	24.3	768

4 AWG			
ORTY25/03	3G25	24.5	720
ORTY25/04	4G25	27.2	960
ORTY25/05	5G25	29.7	1200

2 AWG			
ORTY35/03	3G35	28.5	1008
ORTY35/04	4G35	31.3	1344
ORTY35/05	5G35	34.7	1680

0 AWG			
ORTY50/04	4G50	35.6	1920

2/0 AWG			
ORTY70/04	4G70	42.5	2761

x = senza conduttore giallo/verde