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Evolucable Industria de Cabos Especiais
Av. Minasa, 25 - Galpão B1 - Condomínio Industrial
Business Park -Sumaré/SP - Cep 13.180-400
Sumaré/SP (Fábrica): +55 19 3090-3350
São Paulo/SP: +55 11 3090-6855
Rio de Janeiro/RJ: +55 21 2042-0087

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INNOVCABLE PVC TRAY VTC TC-ER

- Conductor material: bare copper wires
- Conductor class: According to DIN VDE 0295 class 5 and IEC 60228 cl. 5
- Vein insulation: special PVC for TC-ER application - white or black veins identified by sequentially engraved black or yellow numeric engraving with or without green earth conductor (G).
- Twisted in layers.
- Outer layer in special PVC for TC-ER application, resistant to oils, grease, acids, movement, flame, bad weather, UV, aurora borealis, manufactured in grey RAL 7001.
- Manufactured free of harmful substances and silicone.
- Rated voltage:
UL TC: 600V
UL WTTC: 1000V
UL AWM/ cRU AWM: 1000V
- Voltage test: 2000V
- Conductor resistance: According to DIN VDE 0295 class 5 and IEC 60228 cl. 5
- Insulation resistance: min. 20 MΩX Km.
- min. bending radius: 4 x d

Identification

INNOVCABLE PVC TRAY VTC 600V TC-ER ___ x ___AWG SUN RES DIR BUR ROHS OP

Applicable Specifications

UL: Impact and Crushing

TC-ER per UL 1277

WTTC per UL 2277

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AWM 20886

UL Oil Res I

90°C wet; 90°C dry

Resistance to sunlight

Aurora Borealis

NFPA 79 2015

NEC: Class 1 Division 2 per NEC Article 336, 392, 501

cUL CIC FT4

cRU AWM I/II A/B FT4

CE & RoHS

Applications

Easy and cost-effective installation due to no conduit (suitable for open installation), UL TC-ER & CSA CIC compliant.
The special PVC insulation for TC-ER applications is superior to PVC/Nylon products and allows for dimensional reduction.
This product has torsion, oil, flame, cold, UV, aurora borealis and mechanical resistance.

Maximum Conductor Temperature

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- UL TC /c(UL) CIC: -25°C to +90°C
- Flexible use: -5° to +90°C
- Fixed use: -40°C to +105°C

Notes

G = with 1 green conductor to earth;
x = without green conductor to earth
- We can produce on request several other cable options and configurations.
- Innovcable reserves the right to change this catalogue without prior notice.

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Número de condutores incluso via vd (G)	Diametro externo nominal (in)	(mm)	Peso cobre (lbs/mft)	Peso Aproximado (lbs/mft)
18 AWG				
3	0.286	7.3	16	46
4	0.307	7.8	21	56
5	0.332	8.4	26	67
7	0.358	9.1	37	84
9	0.411	10.4	48	106
12	0.458	11.6	63	133
18	0.562	14.3	95	204
19	0.562	14.3	101	211
25	0.636	16.2	132	267
16 AWG				
3	0.312	7.9	26	59
4	0.336	8.5	34	73
5	0.365	9.3	43	87
7	0.394	10.0	60	112
8	0.424	10.8	68	127
9	0.455	11.6	77	142
12	0.508	12.9	103	180
16	0.593	15.1	137	249
18	0.622	15.8	154	275
19	0.622	15.8	162	284
25	0.706	17.9	214	363
14 AWG				
3	0.344	8.7	40	78
4	0.372	9.4	54	98
5	0.405	10.3	67	118
7	0.439	11.2	94	154
9	0.509	12.9	121	197
12	0.602	15.3	161	269
18	0.697	17.7	242	381
19	0.697	17.7	255	396
25	0.794	20.2	335	508
12 AWG				
3	0.381	9.7	64	106
4	0.413	10.5	85	110
5	0.451	11.5	106	164
7	0.490	12.4	149	217
12	0.673	17.1	255	378
16	0.743	18.9	341	488
10 AWG				
3	0.433	11.0	102	150
4	0.471	12.0	136	193
5	0.516	13.1	170	236
7	0.594	15.1	238	333
8 AWG				
4	0.621	15.8	217	320
5	0.680	17.3	271	392
6 AWG				
4	0.756	19.2	343	484
5	0.871	22.1	429	629