3M™ Round Conductor Flat Cable
.025" 30 AWG Solid, TPE

• Close spacing permits higher signal density
• TPE insulation provides excellent transmission properties
• 30 AWG solid conductors on .025 inch spacing allows for mass termination
• Zippable for branching or discrete termination
• Meets SCSI-3 Fast-20 characteristic impedance requirements
• See the Regulatory Information Appendix (RIA) in the “RoHS compliance” section of www.3Mconnectors.com for compliance information (RIA E1 & C1 apply)

Physical

Insulation:
Material: Thermoplastic Elastomer (TPE)
Color: Gray

Marking:
Standard: None
Canadian Option: AWM 20297 105C 150V HB 3M NU
           AWM IA 105C 150V FT2 EU <50V

Conductors: 30 AWG [ Ø 0.254 ] Tinned Solid Copper

Electrical

Voltage Rating: USA: 150V       Canada: 150V
Insulation Resistance: (Primary Cable) > 1 x 10^{10} \Omega /10 ft. [ 3 m ]
Unbalanced
Characteristic Impedance: 90 \Omega
Capacitance: 16.5 pF/ft [ 54.1 pF/m ]
Inductance: 0.13 \mu H/ft [ 0.43 \mu H/m ]
Propagation Delay: 1.48 ns/ft [ 4.86 ns/m ]
Velocity of Propagation: 69%

Note: Unbalanced is measured between ground-signal-ground conductors.

Environmental

Temperature Rating: -40°C to +105°C
Flammability Rating: USA: UL Horizontal Canada: FT2

UL File No.: E42769, Style No: 20297
3M™ Round Conductor Flat Cable
.025" 30 AWG Solid, TPE 3749 Series

Interconnect Solutions
http://www.3Mconnectors.com
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For technical, sales or ordering information call
800-225-5373

Ordering Information

3749 / XX XX

Number of Conductors
(See Table)
Blank = Standard
SF = Splice Free

Note: Available in standard 100 ft or 300 ft rolls, please specify when ordering. Contact 3M for availability of additional conductor counts and/or custom roll lengths.

TS-0068-F
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