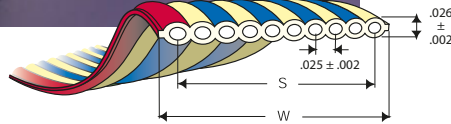


# Micro Quick-Twist

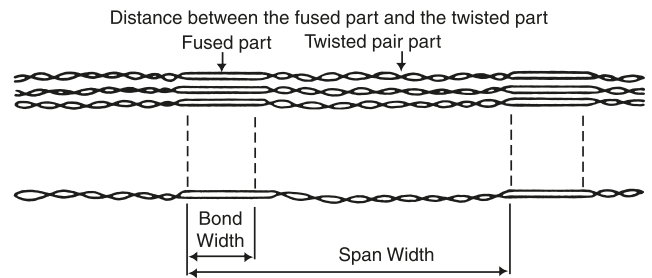
TPO Stranded & Solid 0.025 inch (0.635 mm)



UL/cUL Listing: 21057      UL/cUL Temp: 90°C  
 UL/cUL Voltage: 150V      UL/cUL Flame Rating: VW-1

<i>Pitch tolerance ± .002 inches (± .050 mm)</i>
<i>Excellent noise and crosstalk reduction characteristics</i>
<i>Ideal for IDC termination with high density connectors</i>
<i>UL approved</i>
<i>APPLICATIONS Internal hard drives, SCSI, SPI, SPI-2, SPI-3, SPI-4, and U1 and U2 servers</i>
<i>U320 LVD and SE applications</i>
<i>Compliant for SCSI Fast-XX, SPI-2, SPI-3 U160 LVD, SPI-4</i>

- 20098, 20051, 20188, 20187, 20095, 20089, 20096, 20090
- Conductor Count: 68
- Put-Up: 200 (60.96 m)
- Conductor AWG: 30 7/38 AWG TC
- Insulation: TPO-NL
- Conductor Resistance ohms/1000 ft (ohms/Km): 106 (347.6)



**PHYSICAL CONSTRUCTION DESCRIPTION** HCA TPO Micro Quick-Twist is built with 30 AWG stranded or solid tinned copper. Each conductor is individually extruded with TPO. Conductors are pulled into pairs then bonded into flat sections for Insulation Displacement Connector (IDC) termination points. A Bonding Method requiring no lamination tape (NL) is used on the flat sections of 20051 and 20062 and the Dual Lamination Tape Bonding Method (DL) is used on 20089, 20090, 20095, 20096, 20187 and 20188.

Part Number	Capacitance		Impedance		Propagation Delay		Width Span
	Ground-Signal (G-S) pF/ft (pF/m)	Ground-Signal (G-S-G) pF/ft (pF/m)	(G-S-G) SE - Single End	(G-S) Differential	Nanoseconds/ft (ns/m) (ns/m)	Maximum Skew ns/ft (ns/m)	
20062-68 -P-00200	10.3 (33.78)	13.0 (42.64)	95 ohms	120 ohms	1.56 (5.116)	0.035 (0.114)	Width: 1.700 in (43.18 mm) Span: 1.675 in (42.54 mm)
20051-68-P-00200	10.8 (35.78)	14.0 (45.92)	95 ohms	120 ohms	1.56 (5.116)	0.035 (0.114)	Width: 1.700 in (43.18 mm) Span: 1.675 in (42.54 mm)
20088-68-P-00200	11.0 (36.08)	16.5 (54.12)	86 ohms	125 ohms	1.45 (4.756)	0.025 (0.082)	Width: 1.700 in (43.18 mm) Span: 1.675 in (42.54 mm)
20087-68-P-00200	11.0 (36.08)	16.5 (54.12)	86 ohms	125 ohms	1.45 (4.756)	0.025 (0.082)	Width: 1.700 in (43.18 mm) Span: 1.675 in (42.54 mm)
20095-68-P-00200	10.4 (34.11)	14.0 (45.92)	88 ohms	120 ohms	1.56 (5.116)	0.025 (0.082)	Width: 1.700 in (43.18 mm) Span: 1.675 in (42.54 mm)
20089-68-P-00200	10.0 (32.8)	14.0 (45.92)	88 ohms	117 ohms	1.50 (4.92)	0.025 (0.082)	Width: 1.700 in (43.18 mm) Span: 1.675 in (42.54 mm)
20096-68-P-00200	11.0 (36.08)	15.0 (49.2)	86 ohms	115 ohms	1.56 (5.116)	0.035 (0.114)	Width: 1.700 in (43.18 mm) Span: 1.675 in (42.54 mm)
20090-68-P-00200	11.0 (36.08)	15.0 (49.2)	86 ohms	115 ohms	1.56 (5.116)	0.035 (0.114)	Width: 1.700 in (43.18 mm) Span: 1.675 in (42.54 mm)

Standard multicolor is Red, Light Yellow, Blue, Light Yellow, Blue, Light Yellow, Blue, Light Yellow, Blue, Light Yellow, repeat for all stranded constructions. TPO - DL: Heat bonded TPO insulated wires with dual lamination tapes. TPO - NL: Heat Bonded TPO insulated wires with no lamination tapes.