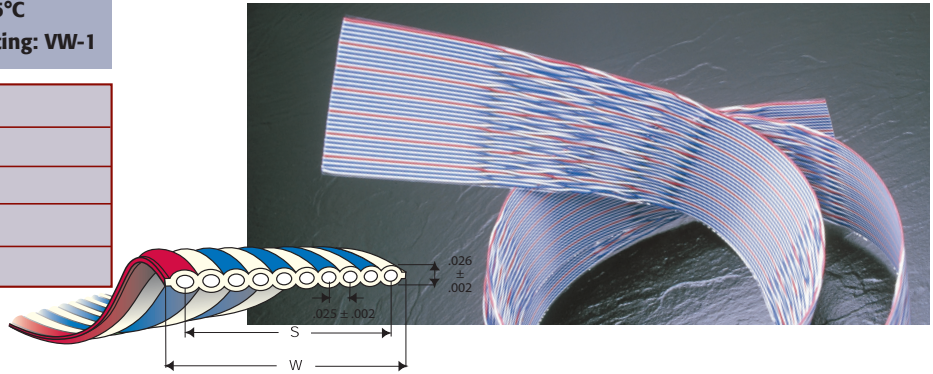


UL/cUL Listing: 20528 UL/cUL Temp: 105°C
 UL/cUL Voltage: 150V UL/cUL Flame Rating: VW-1

- Pitch tolerance $\pm .002$ inches ($\pm .050$ mm)
- Reduced noise and crosstalk
- Ideal for IDC termination with high-density connectors
- Great alternative to fully extruded FEP and TPO ribbon cable
- APPLICATIONS SCSI, Fast-XX, SPI-2 and SPI-3



PHYSICAL CONSTRUCTION DESCRIPTION HCA Micro Quick-Twist is built with 30 AWG stranded tinned copper. Each conductor is individually extruded with PVC. 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 23195 and 20050 and the Dual Lamination Tape Bonding Method (DL) is used on 20098 and 20099.

23195 Pitch: 0.025 in (0.635 mm)

- 23195 - XX - P - 00YYY
- Conductor AWG: 30 7/38 AWG TC
- Insulation: PVC-NL
- Conductor Resistance ohms/1000 ft (ohms/Km): 106 (347.68)
- Capacitance Ground-Signal (G-S) pF/ft (pF/m): 14.9 (48.87)
 - (G-S-G) pF/ft (pF/m): 18.9 (91.992)
- Impedance (G-S-G) SE - Single End: 91 ohms
 - (G-S) Differential: 117 ohms
- Propagation Delay Nanoseconds/ft (ns/m): 1.56 (5.116)
 - Maximum Skew ns/ft (ns/m): 0.035 (0.114)

	Part Number	# of Conductors	Put-Up	Width "W" Span "S"
Example 1	23195- 26 - P - 00200	26	200 ft 60.96 m	Width: 0.650 in (16.51 mm)
				Span: 0.625 in (15.87 mm)
Example 2	23195 - 11* - P - 00200	100	200 ft 60.96 m	Width: 2.50 in (63.5 mm)
				Span: 2.475 in (62.85 mm)

Building a Part Number

Part Number Format	23195- XX - P - 00YYY	XX	00YYY	Width: XX * .025 in Span: XX * .025 in - .025
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XX= No. of conductors: 26, 34, 50, 68, 80, 100 (100 = 11*)
 YYY = Put-Up (ft.): 200

20050 Pitch: 0.025 in (0.635 mm)

- 20050- 68 - P - 00YYY
- Conductor AWG: 30 7/38 AWG TC
- Insulation: PVC-NL
- Conductor Resistance ohms/1000 ft (ohms/Km): 106 (347.6)
- Capacitance Ground-Signal (G-S) pF/ft (pF/m): 14.6 (47.88)
 - (G-S-G) pF/ft (pF/m): 19.2 (62.97)
- Impedance (G-S-G) SE - Single End: 82 ohms
 - (G-S) Differential: 113 ohms
- Propagation Delay Nanoseconds/ft (ns/m): 1.52 (4.98)
 - Maximum Skew ns/ft (ns/m): 0.035 (0.114)

	Part Number	# of Conductors	Put-Up	Width "W" Span "S"
Example 1	20050- 68 - P - 00200	68	200ft 60.96 m	Width: 1.700 in (43.18 mm)
				Span: 1.675 in (42.54 mm)

Building a Part Number

Part Number Format	20050- XX - P - 00YYY	XX	00YYY	Width: XX * .025 in Span: XX * .025 in - .025
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XX= No. of conductors: 96, other conductor counts available upon request
 YYY = Put-Up (ft.): 200

*DL version available, part number 20098-XX-P-00YYY, 20099-XX-P-00YYY

Other conductor counts and put-ups available upon request. Standard multicolor is Red, White, Blue, White, Blue, White, Blue, White, Blue, White, repeat. PVC - DL: Heat bonded PVC insulated wires with dual lamination tapes. PVC - NL: Heat Bonded PVC insulated wires with no lamination tapes.