

Features and Benefits

The Molex 110* Style Connector is a high-performance IDC capable of providing all your voice and data interconnect needs. It has been independently tested to EIA/TIA assure a gas-tight, Category 5E connection.

* 110 is a registered trademark of AT&T

Technical Information

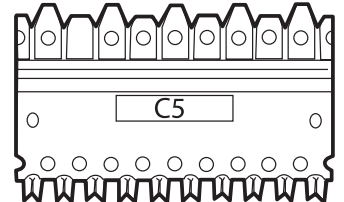
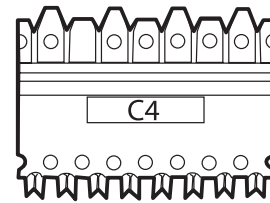
Mechanical Characteristics

Materials
 Plastic Housing: UL94V-O Rated, Thermoplastic
 Contact Material: Phosphor Bronze
 IDC Contact Plating: Solder Plate (60% tin/40% lead)
 Wire Termination Type: Insulation Displacement (Gas Tight)
 Wire Insertion Force: 3 lb. (27 Newtons) typical (24 AWG)
 Wire Pull Out Force:
 Horizontal: 10 lb. (36 Newtons) typical (24 AWG)
 Vertical: 5 lb. (14 Newtons) typical (24 AWG)
Wire Accommodation
 Size: < 1.4mm OD
 Types Plastic Insulation Including: PVC, IPVC, Polyethylene, PTFE, Polyurethane, Polyolefin, and Nylon
Terminations
 Solid Wire Ranges: 22-26 AWG (0.4-0.63 mm)
 Limiting OD: 1.4mm
 Reterminations: > 200
 Stranded Wire Ranges (7 strands): 22-26 AWG
 Limiting OD: 1.4mm
 Reterminations: > 200
 Terminations: > 30 Years
Temperature Range
 Storage: -40 to +70°C
 Operational: -10 to +60°C
 Humidity: 95% max

Electrical/Optical Characteristics

Connector Only
 Dielectric Strength: 1.5 kV RMS @ 60 Hz
 Resistance Insulation: Better than 100 mΩ
Termination
 Typical: < 0.5 mΩ (<500 μΩ)
 Guaranteed: < 5.0 mΩ
Transmission Data
 Insertion Loss (Attenuation)@100MHz: < 0.4 dB

Dimensions Ship Weight
 110 C4 Connector
 20mm x 31mm x 7mm 369 gms (bag of 100)
 110 C5 Connector
 220mm x 39mm x 7mm 482 gms (bag of 100)

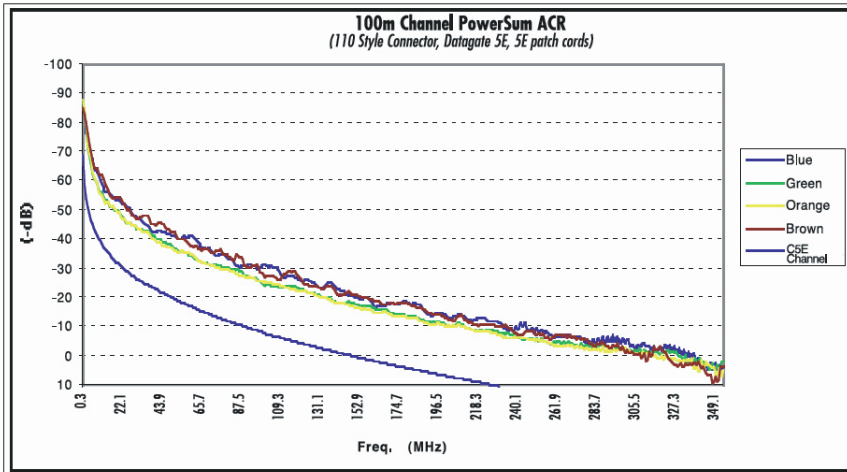


MOLEX PREMISE NETWORKS

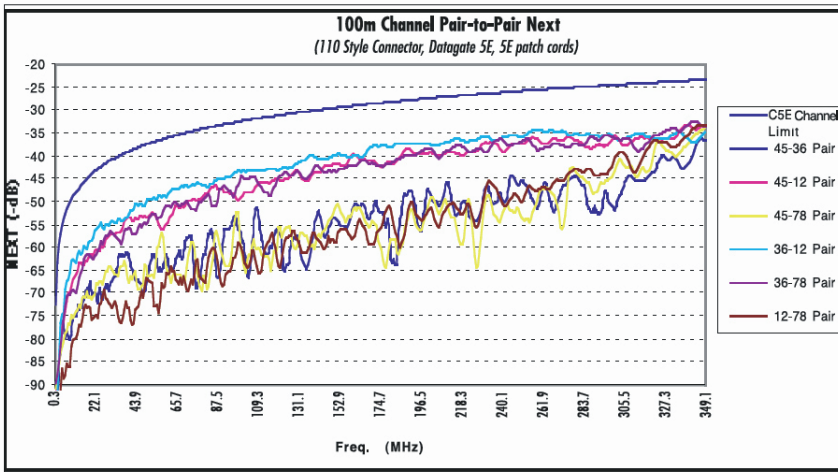
Americas
 Tel: 630 969 4550
 www.molexpn.com

EMEA
 Tel: 44 (0)2392 205800
 www.molexpn.co.uk

APAC
 Tel: 61 3 9971 7111
 www.molexpn.com.au



Frequency (MHz)	PowerSum Performance (dB)	Cat 5E Req
1	-85	-58
4	-70	-47
8	-64	-41
10	-62	-38
16	-55	-34
20	-55	-31
25	-51	-29
31.25	-47	-26
62.5	-39	-16
100	-31	-08
155	-20	01
160	-19	02
200	-13	07
250	-09	13
300	-04	18
350	02	23



Frequency (MHz)	Pair-to-Pair Performance (dB)	Cat 5E Req
1	-88	-63
4	-74	-54
8	-65	-50
10	-63	-48
16	-60	-45
20	-58	-44
25	-55	-42
31.25	-54	-40
62.5	-47	-36
100	-43	-32
155	-40	-29
160	-40	-29
200	-37	-27
250	-36	-26
300	-36	-24
350	-33	-23

ORDERING INFORMATION

Order No.	SAP No.	Description
KPD-00058	Consult Molex	110-C4 Connectors (100)
KPD-00059	Consult Molex	110-C5 Connectors (100)

MOLEX PREMISE NETWORKS

Americas
Tel: 630 969 4550
www.molexpn.com

EMEA
Tel: 44 (0)2392 205800
www.molexpn.co.uk

APAC
Tel: 61 3 9971 7111
www.molexpn.com.au