

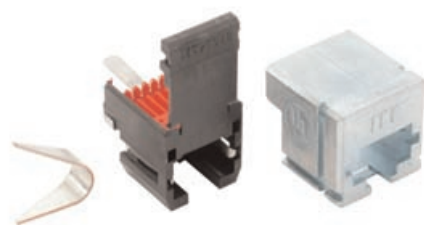
Connectors

ISCS 5e (808) Connector

Overview

The Nexans ISCS screened Category 5e 808 connector is very robust and suitable for use in many applications. It is ideal for use in preterminated cable assemblies enabling a project team to reduce the time taken to complete an installation. The connector can be individually installed, in panels or outlets and

additional connectors can be added or changed without the need for disruption or disconnection of adjacent live services. The connector has excellent installed NEXT, Attenuation and Return Loss characteristics providing a solid platform for running the operation of Class D network protocols.



Description	Part Number
ISCS 5e 808 Connector	SDWSK808302B1

Technical Details

Physical Characteristics

Dimensions	H 17.9 mm x W 17.8 mm x D 18.9 mm
IDC	Suitable for 0.5 - 0.6 mm solid copper wire, insulated up to 1.35 mm
RJ-45 Insertion Life	2500 cycles

Electrical Characteristics

Insulation resistance	500MOhm minimum
Dielectric withstand	1000V dc or ac peak

Standards Compliance

TIA/EIA 568	IEC 60603-7	US CFR 47 (FCC) part 68.5 Subpart F
UL 1863	DIN 6120	ISO 1043-1
ISO/IEC 11801	IDC Contact Reliability to TIA/EIA 568-B.2 Annex A & TIA/EIA 568-B.2-4	

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Connector Electrical Performance

ISCS 5e connectors typically exceed this performance by a considerable margin.

Frequency MHz	Atten. dB	NEXT dB	FEXT dB	Return Loss dB
1	<0.10	80.0	80.0	54.0
4	<0.10	72.0	72.0	49.0
8	<0.10	66.0	66.0	46.0
10	<0.10	65.0	64.0	45.0
16	<0.10	60.0	60.0	42.0
20	<0.10	59.0	58.0	41.0
25	<0.10	57.0	56.0	39.0
31.25	<0.10	55.0	54.0	38.0
62.5	<0.10	49.0	48.0	34.0
100	<0.10	44.0	44.0	31.0

Application Support

Gigabit Ethernet (1000 BaseT)	AnyLAN (100 BaseVG)	IBM 3270	Voice
Fast Ethernet (100 Base TX and T4)	ATM 622 Mbps	RS232	
Ethernet (10 BaseT)	ATM 155 Mbps (OC-3)	AS400 System 3x	
ISDN Basic Rate	TokenRing (4/16 Mbps)	Power over Ethernet	