

Essential-6 Outlet Modules

Essential-6 single outlet module 25x50mm - Low Profile

Nexans ref.: [N424.620](#)

- Recommended for use in floorboxes and shallow backboxes
- Complies to the latest Category 6 standards
- 25x50mm dimensions
- Unshielded
- LSA+ termination
- UK white
- Fits in all Nexans UK structural hardware

Description

Application

The Nexans Essential-6 unshielded outlet modules are manufactured and tested to the latest Category 6 specifications. They support Class E applications up to 250 MHz. When installed in conjunction with Essential-6 cable and patch panels, a 25 year Class E Link Certificate can be obtained from the Nexans e-service site.

Design

The Essential-6 outlet modules are compatible with the complete Essential-6 range and fit into all Nexans UK structural hardware. They can be used with all types of UTP Category 6 cable with solid wire from 22 to 24 AWG. The spring shuttered modules come in glossy white finish, matching with most British style structural hardware.

This Low Profile module is specifically designed to fit floorboxes and backboxes where depth is restricted.

Other modules of the same range have a regular deep profile and are available in a single port version (25x50mm and LJ6C) and a triple port version (50x50mm).

The modules are equipped with transparent label holders fitted with a blank paper label for customised port identification.

Performance

The Essential-6 outlet modules are compliant with the specifications of ISO/IEC 11801: 2002.

Installation

- Fast and easy termination by LSA+ punch-down tooling.
- Wiring according to colour code T568B.
- Centrally positioned tie wrap bridges ensure cable strain relief.
- Supplied with tie wraps.
- Labelling windows included.
- Fits in all Nexans UK structural hardware



essential-6

Standards

International ISO/IEC 11801

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Characteristics

Construction characteristics	
Connector type	RJ45 and LSA+ IDC
Screen	Unshielded
Dimensional characteristics	
Depth	20 mm
Width	25 mm
Height	50 mm
Usage characteristics	
Number of ports	1
Range	essential-6

Channel Performance

Values given for 2-connector channel, built with Essential-6 cable, outlet and patch panel. (Values specified at 20°C)

Frequency MHz	Insertion Loss dB/100m	NEXT PP dB	PS NEXT dB	ACR dB/100m	PS ACR dB/100m	ELFEXT dB/100m	PSELFEXT dB/100m	Return Loss dB
1	4.0	65.0	62.0	65.0	62.0	63.3	60.3	19.0
4	4.2	63.0	60.5	58.9	56.4	51.2	48.2	19.0
10	6.6	56.6	54.0	50.0	47.4	43.3	40.3	19.0
16	8.3	53.2	50.6	44.9	42.3	39.2	36.2	18.0
20	9.3	51.6	49.0	42.3	39.7	37.2	34.2	17.5
31.25	11.7	48.4	45.7	36.7	34.0	33.4	30.4	16.5
62.5	16.9	43.4	40.6	26.5	23.7	27.3	24.3	14.0
100	21.7	39.9	37.1	18.2	15.4	23.3	20.3	12.0
155	27.6	36.7	33.8	9.1	6.2	19.5	16.5	10.1
200	31.7	34.8	31.9	3.1	0.1	17.2	14.2	9.0
250	35.9	33.1	30.2	-2.8	-5.8	15.3	12.3	8.0