

90 Degree Patch Lead Adapter



90 degree patch lead adaptor (PS90*)

Our PS90* ethernet cable adapter provides a solution to a long-standing problem – how to make a network connection in a tight space. This quick-fix converter allows 90 degree angled connections using standard Category 5e, 6 or 6A patch cables and allows the plug to be turned up, down, left or right as required.

Features

- Allows 90 degree bend in standard patch cables with negligible negative impact on performance
- Suitable for cable OD up to 6.5mm
- Space requirement can be reduced to just 16mm behind plug

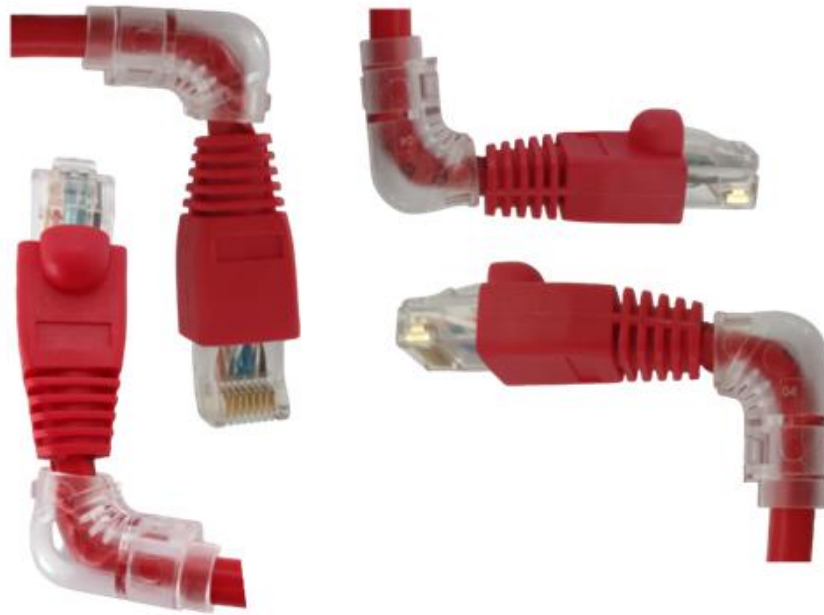
Specifications

- Material: PC
- Colours: * = Black/White/Transparent bk/wh/clr
- Net weight including packaging 32g (Poly bag of 20)

Packaging

Packaged in poly bags of 20 then in bags of 500

Dimensions including packaging 100 x 80 x 20mm



Illustrative image – Allows any combination of up/down/left/right orientation of plug

EAN number:

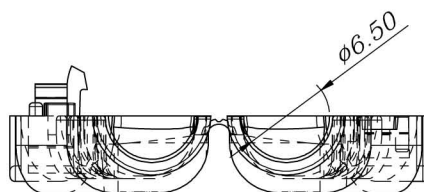
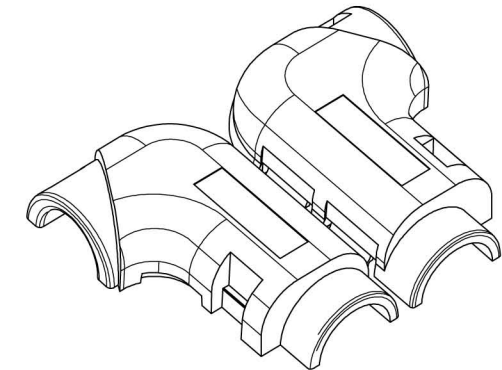
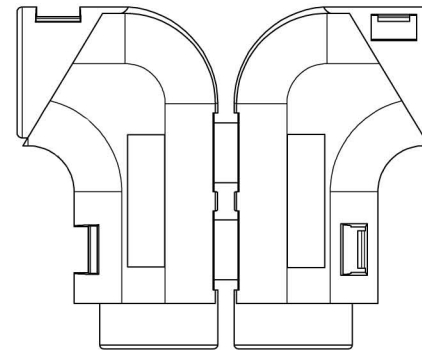
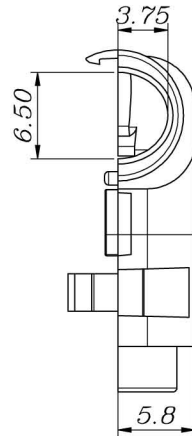
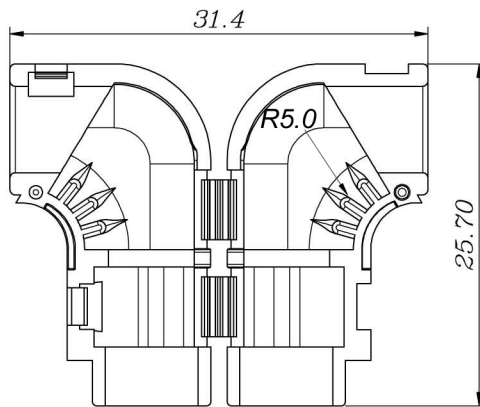
PS90clr: 5055386511720
PS90bk: 5055386511706
PS90wh: 5055386511713

Commodity code: 85444920

Country of origin: China

ROHS Compliant

Code: PS90*
*= bk/wh/clr



16mm




90 DEGREE ADAPTOR (PS90*) TEST REPORT (28th May 2024)

Excessive bend of ethernet cables is well known to harm performance and both ISO and TIA standards require structured cables to be installed with a bend radius of at least 4 x cable outer diameter. With that in mind we have conducted a range of tests to give the installer reasonable confidence that they can use the PS90* without significant effect on patch cord performance.

We tested Category 5e, 6 and 6A patch leads, all of which met the patch cord standard before the adaptor was fitted. Leads 1m and 5m long were tested as examples and each had a different cable outer diameter. In case there was an effect of the cable 'relaxing' or otherwise changing over time, the initial tests were repeated 1 month later.

The tests suggested that shorter cables suffer a greater reduction in performance than longer cables. However, allowing for the variables of testing with hand-held network testers, it appeared that there was little overall negative impact from using this adaptor.

Stephen Mercer
Managing Director 

		Cable Employed																	
		C5E UTP 24AWG 1M (cable OD 5.5mm)						C6 UTP 24AWG 1M (cable OD 6.0mm)						C6A SSTP 26AWG 1M (cable OD 6.2mm)					
		NEXT			RL			NEXT			RL			NEXT			RL		
No. of lead		01/11/2023	01/12/2023	01/11/2023	01/12/2023	01/11/2023	01/12/2023	01/11/2023	01/12/2023	01/11/2023	01/12/2023	01/11/2023	01/12/2023	01/11/2023	01/12/2023	01/11/2023	01/12/2023		
		No PS90	PS90	PS90	No PS90	PS90	PS90	No PS90	PS90	PS90	No PS90	PS90	PS90	No PS90	PS90	PS90	No PS90	PS90	PS90
1		5.4	3.5	4.3	9.2	8.2	8	4	1.4	2	9.4	7.7	6.8	2	2.1	1.5	2.8	2.3	2.2
2		4.1	3.4	4.7	9.1	9.5	7	3.7	1.9	2.8	7.6	7.6	7.3	2.3	2	1.6	2.7	2.6	2.6
3		5.9	6.0	6.3	8.9	6.6	7.8	2.1	2.1	2.1	8.6	6.7	7.8	2.3	2.4	2.4	1.8	2.2	2.4
4		4.5	3.3	2.9	9.7	8.8	8.7	2.5	2.5	3.6	8.6	7.6	6.6	2.3	2.1	1.5	2.6	2.3	2.2
5		4.7	3.4	3.1	8.9	7.9	7.7	3	2.5	2.7	9.2	8.6	9.7	2	2.5	1.9	2.1	1.3	1.6

		Cable Employed																	
		C5E UTP 24AWG 5M (cable OD 5.5mm)						C6 UTP 24AWG 5M (cable OD 6.0mm)						C6A SSTP 26AWG 5M (cable OD 6.2mm)					
		NEXT			RL			NEXT			RL			NEXT			RL		
No. of lead		15/12/2023	15/01/2024	15/12/2023	15/01/2024	15/12/2023	15/01/2024	15/12/2023	15/01/2024	15/12/2023	15/01/2024	15/12/2023	15/01/2024	15/12/2023	15/01/2024	15/12/2023	15/01/2024		
		No PS90	PS90	PS90	No PS90	PS90	PS90	No PS90	PS90	PS90	No PS90	PS90	PS90	No PS90	PS90	PS90	No PS90	PS90	PS90
1		6.6	4.3	4.8	1.6	4.1	3.4	3.7	4.2	3.4	4.8	4.8	5.5	2.9	4.5	2.6	2.1	2.9	2.4
2		5.2	5.3	5.3	2.1	4.5	3.1	4.6	3.4	3.1	5	5.2	5.2	2.2	4.2	4.3	2.3	3.2	2.8