

CAT Cable Selection Guide for Newnex FireNEX™-CAT6 Series USB CAT Repeaters

Use high-quality CAT 6A or CAT 7 cable with S/FTP or F/FTP shielding for the extension link between the Local and Remote Units. Check both the category and the full shielding designation before purchasing or installing a cable.

A CAT 6A label alone does not identify the shielding construction. CAT 6A cables are available in both shielded and unshielded versions. A cable that works for an Ethernet connection should still be checked against the repeater's cable specifications.

Understanding cable shielding

Twisted pairs help reduce electrical noise. Metallic shielding adds protection against electromagnetic interference and crosstalk. S/FTP and F/FTP constructions combine an overall shield with foil around each individual pair.

Cable marking	Overall shield	Shield around each pair	Selection guidance	
U/UTP Often called UTP	None	None	Avoid for installations	
F/UTP Often called FTP	Foil	None	Not Recommended	
U/FTP	None	Foil	Not Recommended	
S/FTP	Braided screen	Foil	Recommend to Use	
F/FTP	Foil	Foil	Recommend to Use	

Suggested purchasing description: "CAT 6A or CAT 7, S/FTP or F/FTP construction, shielded RJ45 plugs, with manufacturer documentation confirming shielding and cable specifications."