

Premises Cable Temperature Guidelines

PREMISES CABLE NORMAL TEMPERATURE RANGES				
Cable Type	Listing	Operation	Storage/Shipping	Installation
Interconnect and Single Unit Distribution Fiber	Riser (CMR)	-20 to 75°C (-4 to 167°F)	-40 to 75°C (-40 to 167°F)	-20 to 65°C (-4 to 149°F)
	Plenum (CMP)	0 to 75°C (32 to 167°F)	-40 to 75°C (-40 to 167°F)	0 to 65°C (32 to 149°F)
Ribbon Distribution Fiber	Riser (CMR)	-20 to 75°C (-4 to 167°F)	-40 to 75°C (-40 to 167°F)	0 to 65°C (32 to 149°F)
	Plenum (CMP)	0 to 75°C (32 to 167°F)	-40 to 75°C (-40 to 167°F)	0 to 65°C (32 to 149°F)
Indoor/Outdoor Sunlight Resistant Distribution Fiber (Tight Buffer)	Plenum (CMP)	-20 to 75°C (-4 to 167°F)	-40 to 75°C (-40 to 167°F)	-20 to 65°C (-4 to 149°F)
Dry Block/Sunlight Resistant Indoor/Outdoor Distribution Fiber (Tight Buffer)	Riser (OFNR/OFCR)	-40 to 75°C (-40 to 167°F)	-40 to 75°C (-40 to 167°F)	-20 to 65°C (-4 to 149°F)
	Plenum (OFNP/OFCP)	-40 to 70°C (-40 to 158°F)	-40 to 70°C (-40 to 158°F)	0 to 65°C (32 to 149°F)
Copper: UTP, U/FTP (STP), and F/UTP (ScTP)	Riser (CMR)	-20 to 75°C (-4 to 167°F)	-40 to 75°C (-40 to 158°F)	0 to 60°C (32 to 140°F)
	Plenum (CMP)	-20 to 90°C (-4 to 194°F)	-40 to 75°C (-40 to 158°F)	0 to 60°C (32 to 140°F)
	Plenum (CMP) FEP Jacket	-40 to 200°C (-40 to 392°F)	-40 to 200°C (-40 to 392°F)	-40 to 200°C (-40 to 392°F)
	CMR/CMX	-40 to 75°C (-40 to 167°F)	-40 to 75°C (-40 to 167°F)	-40 to 60°C (-40 to 140°F)
Coax: Series 6, Series 11 and Series 59	Riser (CMR)	-20 to 75 (-4 to 167 °F)	-20 to 75 (-4 to 167 °F)	0 to 60 (32 to 140 °F)
	Plenum (CMP)	-20 to 75 (-4 to 167 °F)	-20 to 75 (-4 to 167 °F)	0 to 60 (32 to 140 °F)
Fire Alarm and Security Control: Shielded and Non-shielded	Riser/Plenum	-20 to 75°C (-4 to 167°F)	-40 to 75°C (-40 to 158°F)	0 to 65°C (32 to 149°F)

¹These temperature guidelines are applicable to traditional premise cable designs manufactured to industry standards. These guidelines are provided for convenience purposes only and do not replace or overrule individual cable performance specifications.

²Cables stored/shipped at temperatures outside the allowable installation temperature range must be conditioned prior to installation by storing for 24 hours within the allowable installation temperature range. For best results and ease of installation in freezing temperatures, condition the cable for 24 hours at or above 18°C (65°F) prior to installation.