

TABLE 1 TRANSMISSION DISTANCES FOR PHYSICAL MEDIA

Minimum distance	Medium	40-Gbps Ethernet	100-Gbps Ethernet
1m	Backplane	40GBaseKR4	
10m	Copper cable	40GBaseCR4	100GBaseCR10
100m	OM3 multimode fiber	40GBaseSR4	100GBaseSR10
10 km	Single-mode fiber	40GBaseLR4	100GBaseLR4
40 km	Single-mode fiber		100GBaseER4