

166.7 Characteristics of the fiber optic cabling (channel) -> Delete this chapter and move to a new Informative Annex

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166.8 MDI -> 166.7 MDI

166.7.1 Transmitter optical specifications

Table 166-X1 Transmit optical characteristics for 2.5 Gb/s

Parameter	Symbol	Units	Value / Criteria	
			Min.	Max.
Average Optical Power	AOP	dBm		
Extinction Ratio	ER	dB		
Center wavelength	$\lambda_c$	nm		
Spectral width	$\lambda_w$	nm		
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Table 166-X2 Transmit optical characteristics for 5 Gb/s

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Table 166-X3 Transmit optical characteristics for 10 Gb/s

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Table 166-X4 Transmit optical characteristics for 25 Gb/s

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Table 166-X5 Transmit optical characteristics for 50 Gb/s

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166.7.2 Receiver optical specifications

Table 166-Y Receive optical characteristics

Table 166-Y1 Receiver optical characteristics for 2.5 Gb/s

Parameter	Symbol	Units	Value / Criteria	
			Min.	Max.
Average Optical Power	AOP	dBm		
Receiver reflectance	RR	dB		
Wavelength range	$\lambda$	nm		
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Table 166-Y2 Transmit optical characteristics for 5 Gb/s

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Table 166-Y3 Transmit optical characteristics for 10 Gb/s

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Table 166-Y4 Transmit optical characteristics for 25 Gb/s

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Table 166-Y5 Transmit optical characteristics for 50 Gb/s

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Annex XX. Characteristics of the fiber optic cabling (channel)

Table Annex XX : Link budget with category OM-3 optical fiber (informative)

Parameter	Unit	2.5 G	5 G	10 G	25 G	50 G
Power budget	dB	17.30	14.30	10.80	8.70	5.10
Operating range	m	40				15
Channel insertion loss	dB	10.28	10.28	10.28	8.28	4.28
Allocation for penalties	dB	0.35	0.35	0.35	0.30	0.70
Additional insertion loss allowed	dB	6.67	3.67	0.17	0.12	0.12