



Link length for different LAN applications

Application	Link length	Draka fibre data sheet
10 Mbit IEEE 802.3 and ISO/IEC 8802-3 10Base-FL og FB (850 nm)	OM1: 62.5 µm: 2000 m OM2: 50 µm: 1514 m OM3: 1514 m OM4: 1514 m	C02 C01a, C23, C34 C12, C30 C11, C31
100 Mbit IEEE 802.3 and ISO/IEC 8802-3 100BaseFX (1300 nm)	OM1: 62.5 µm: 2000 m OM2: 50 µm: 2000 m OM3: 2000 m OM4: 2000 m	C02 C01a, C23, C34 C12, C30 C11, C31
1 Gbit IEEE 802.3 1000Base SX (850 nm)	OM1: 62.5 µm: 275 m OM2: 50 µm: 550 m OM3: 1000 m OM4: 1100 m	C02 C01a, C23, C34 C12, C30 C11, C31
1 Gbit IEEE 802.3 1000Base LX (1300 nm)	OS2: 5000 m OM1: 62.5 µm: 550 m OM2: 50 µm: 550 m OM3: 550 m OM4: 550 m	C03e, C06e, C24 C02 C01a, C23, C34 C12, C30 C11, C31
10 Gbit IEEE 802.3ae 10GBASE-SW/SR (850 nm)	OS2: - OM1: 62.5 µm: 33 m OM2: 50 µm: 82 m OM3: 300 m OM4: 550 m	C02 C01a, C23, C34 C12, C30 C11, C31
10 Gbit IEEE 802.3ae 10GBASE LX4 (1300 nm)	OM1 62.5 µm: 300 m OM2 50 µm: 300 m	C02 C01a, C23, C34 C12, C30 C11, C31
10 Gbit IEEE 802.3ae 10GBASE-L (1310 nm)	OS2: 10000 m	C03e, C06e, C24
10 Gbit IEEE 802.3ae 10GBASE-EW/ER (1550 nm)	OS2: 30000 m OS2: 40000 m	C03e, C06e, C24
<i>Proposed values for future 40 Gbit IEEE.ba 40BASE-SR = 4 x 10 Gbit (850 nm)</i>	OM3: 100 m OM4: 150 m	C12, C30 C11, C31
<i>Proposed values for future 40 Gbit IEEE.ba 40BASE-LR4 = 4λ x 10 Gbit (1300 nm ITU G.694.2 CWDM)</i>	OS2: 10000 m	C03e, C06e, C24
<i>Proposed values for future 100 Gbit IEEE.ba 100BASE-SR = 10 x 10Gbit (850 nm)</i>	OM3: 100 m OM4: 150 m	C12, C30 C11, C31
<i>Proposed values for future 100 Gbit IEEE.ba 100BASE-ER4 = 4λ x 25Gbit (1300 nm ITU G.694.1 DWDM)</i>	OS2: 10000 m	C03e, C06e, C24
<i>Proposed values for future 100 Gbit IEEE.ba 100BASE-LR4 = 4λ x 25Gbit (1300 nm)</i>	OS2: 40000 m	C03e, C06e, C24

Note: Although the information given in this document is believed to be accurate at the time of publishing, we take all reservation with regard the use of information and encourage users to consult the standards mentioned.