

Channel feature	Feature codes	Bit rate ^a in Gbps (or stated)	Cable type	Maximum unrepeated distance ^b	Ordering information
CE LR	0433	10 Gbps	SM 9 µm	10 km (6.2 miles)	New build & Carry forward
ICA SR1.1	0176	8 GBps	OM4 OM3	150 m 100 m	New build
ICA SR	0172				Carry forward

a. The link data rate does not represent the performance of the link. The performance depends on many factors, including latency through the adapters, cable lengths, and the type of workload.

b. Where applicable, the minimum fiber bandwidth distance in MHz·km for multi-mode fiber optic links is included in parentheses.

c. A 600 meters maximum when sharing the switch across two RoCE Express features.

The unrepeated distances for different multimode fiber optic types for zHyperlink Express are listed in Table A-2.

Table A-2 Unrepeated distances

Cable type (modal bandwidth)	8 GBps
OM3 (50 µm at 2000 MHz·km)	100 meters
	328 feet
OM4 (50 µm at 4700 MHz·km)	150 meters
	492 feet

The maximum unrepeated distances for FICON SX features are listed in Table A-3.

Table A-3 Maximum unrepeated distance for FICON SX features

Cable type/bit rate	1 Gbps	2 Gbps	4 Gbps	8 Gbps	16 Gbps
OM1 (62.5 µm at 200 MHz·km)	300 meters	150 meters	70 meters	21 meters	N/A
	984 feet	492 feet	230 feet	69 feet	N/A
OM2 (50 µm at 500 MHz·km)	500 meters	300 meters	150 meters	50 meters	35 meters
	1640 feet	984 feet	492 feet	164 feet	115 feet
OM3 (50 µm at 2000 MHz·km)	860 meters	500 meters	380 meters	150 meters	100 meters
	2822 feet	1640 feet	1247 feet	492 feet	328 feet
OM4 ^a (50 µm at 4700 MHz·km)	N/A	500 meters	400 meters	190 meters	125 meters
	N/A	1640 feet	1312 feet	693 feet	410 feet

a. Fibre Channel Standard (not certified for Ethernet)