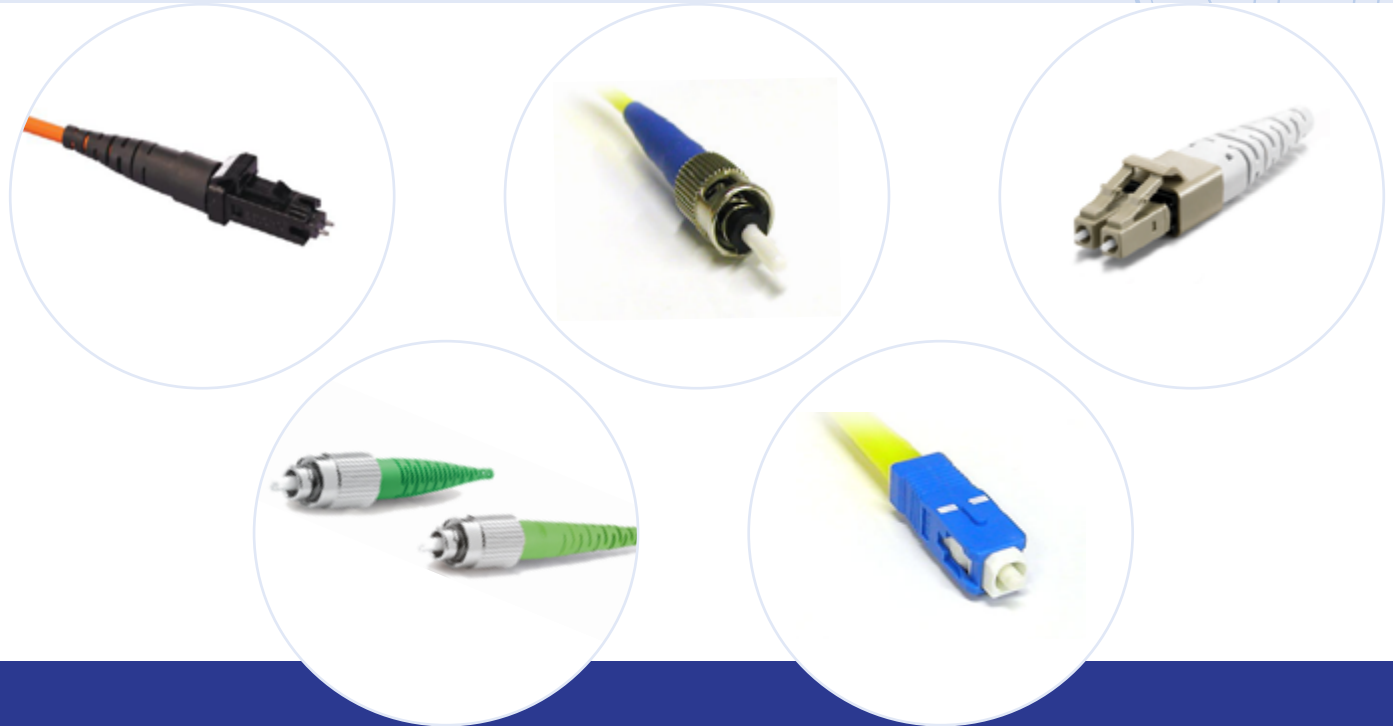# HydraX™ Fibre Optic Connectivity
Low Loss Optical Connector

HydraX™ Fibre Optic connectors are well suited for Telecom usage, Enterprise needs and Data Centers strict requirements.

All types of connectors are with Zirconia ceramic ferrule and all single mode connectors are come in UPC and APC configurations.

Application

Data processing networks

Telecommunication newtorks

LANs & WANs

Active device termination

Premise installations

Features

Available in SC, LC, ST, FC and MTRJ.

Offers single mode, multi mode, OM3/Aqua and OM4/Violet.

Compliance with Telcordia, ANSI, IEC, TIA/EIA, NTT and JIS specifications.

Low insertion loss and back reflection.

High precision alignment, system durability, stability and repeatability.

HydraX™ Fibre Optic Connectivity
Low Loss Optical Connector

SPECIFICATIONS SC CONNECTOR

Temperature range	Operating	-40°C to 85°C
Insertion Loss (dB)		≤ 0..20 dB
Return Loss		≥ 65 dB
Durability	1,000 matings	≤ 0.20 dB

SPECIFICATIONS LC CONNECTOR

Temperature range	Operating	-40°C to 85°C
Insertion Loss (dB)	Single mode	≤ 0.20 dB
	Multi mode	≤ 0.25 dB
Return Loss	PC	≥ 55 dB
	APC	≥ 65 dB
Durability	1,000 matings	< 0.20 dB

SPECIFICATIONS ST CONNECTOR

Temperature range	Operating	-40°C to 85°C
Insertion Loss (dB)		≤ 0.30 dB
Return Loss		≥ 50 dB
Durability	1,000 matings	< 0.20 dB

SPECIFICATIONS FC CONNECTOR

Temperature range	Operating	-40°C to 85°C
Insertion Loss (dB)		≤ 0.20 dB
Return Loss		≥ 65 dB
Durability	1,000 matings	≤ 0.20 dB

SPECIFICATIONS MTRJ CONNECTOR

Temperature range	Operating	-40°C to 85°C
Insertion Loss (dB)	Single mode	< 0.5 dB
	Multi mode	< 0.3 dB
Return Loss	PC	≥ 45 dB
Durability	200 matings	< 0.1dB

HydraX™ Fibre Optic Connectivity
Low Loss Optical Connector

Ordering Information

PRODUCT CODE	PRODUCT DESCRIPTION
CT-1103	Single mode FC/APC connector
CT-1013	Multi mode FC/UPC OM3 connector
CT-1001	Single mode LC/UPC connector
CT-1011	Multi mode LC/UPC connector
CT-1100	Single mode SC/APC connector

Notes: CT-1XYZ

    1) X= Ferrules (0/UPC, 1/APC)

    2) Y= Type of Fibre (0/Singlemode, 1/Multimode, 2/OM3, 3/OM4)

    3) Z = Type connector (0/SC, 1/LC, 2/ST, 3/FC, 4/MTRJ)