

Mechanical & environmental requirements for fibre optic cables

Mechanical / environmental requirements for FO cables with Singlemode fibres

Test type	Test method	Test criterion
Tensile performance	IEC 60794-1-2-E1	Fibre elongation
Crush resistance	IEC 60794-1-2-E3	Fibre attenuation
Impact	IEC 60794-1-2-E4	No damage to the sheath and the cable elements
Repeated bending	IEC 60794-1-2-E6	No fibre break
Bend	IEC 60794-1-2-E11	Fibre attenuation
Torsion	IEC 60794-1-2-E7	Fibre attenuation
Water penetration	IEC 60794-1-2-F5	Water penetration
Temperature cycling	IEC 60794-1-2-F1	Fibre attenuation

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