

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS OF CABLE

Characteristics	Unit	Specification
Maximum tensile load	kg	1,400
Minimum bending load	-	-
-Under no load	mm	150
-Under load	mm	300
Crush resistance	kg/cm	30
Operating temp,range	°C	-40~+70

For particular applications needing higher performance than values specified in the above table, other cables can be proposed.

CABLE CROSS SECTION

1. OPTICAL FIBER
2. FILLING
A suitable water blocking compound
3. LOOSE TUBE
Thermoplastic material
4. CENTRAL STRENGTH MEMBER
Fiberglass Reinforced Plastic(FRP)
5. FILLER
Thermoplastic cylinder which can replace a tube in the cable strand
6. CABLE CORE PROTECTION
Plastic tapes helically or longitudinally
7. INNER SHEATH
Black polyethylene
8. ADDITIONAL STRENGTH MEMBER
Aramid yarns
9. OUTER SHEATH
Black polyethylene or track resistant polyethylene.

