

Application:

HF FiberCORE Single armored shallow water fiber optic cable, contained a steel stranded layer, is designed for shallow water application.

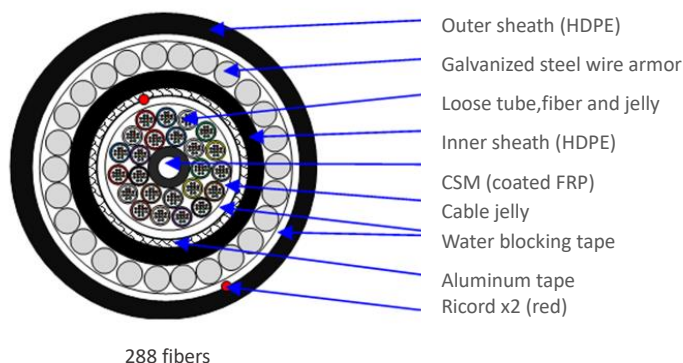
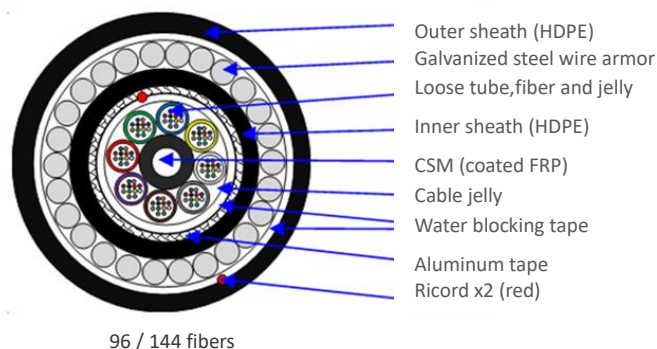
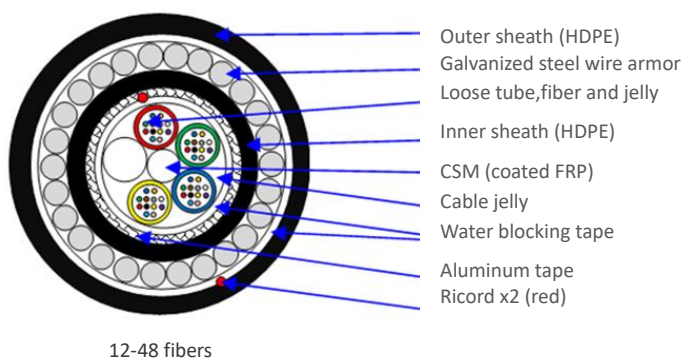
Fiber type:

250μ ITU G652D

Outer sheath:

HDPE

Construction



Color code Scheme:

DIN	Fiber	red	green	blue	yellow	white	grey	brown	violet	aqua	black	orange	pink
	Tube	red	green	blue	yellow	white	grey	brown	violet	aqua	black	orange	pink

No.13~No.24 loose tube color with one black tracer

Or

EIA	Fiber	blue	orange	green	brown	grey	white	red	black	yellow	violet	pink	aqua
	Tube	blue	orange	green	brown	grey	white	red	black	yellow	violet	pink	aqua

No.13~No.24 loose tube color with one black tracer

Or

S12	Fiber	White	Red	yellow	green	Blue	Gray	Brown	black	violet	aqua	orange	pink
	Tube	White	Red	yellow	green	Blue	Gray	Brown	black	violet	aqua	orange	pink

No.13~No.24 loose tube color with one black tracer

Note: The weight of zinc coating of uncoated wire surface shall be no less than 20g/m²

Cable specifications:

Fiber count	Loose tubes X fibers	Nominal outer diameter (mm)	Weight (KG/Km)
12	1 x 12	13.9	302
24	2 x 12	13.9	302
48	4 x 12	13.9	302
96	8 x 12	16.2	395
144	12 x 12	19.7	649
288	24 x 12	22.2	740

Max.Tensile load	Crush resistance	Min. cable bending radius	Temperature range
5000N	5000N/10cm	Static: 15 X OD Dynamic: 30 X OD	Storage: -40 - +70 °C Laying: -20 - +70 °C In operation: -40 - +70 °C

Test procedure

Test	Norm	Parameter	Criteria
Tensile strength	IEC 60794-1-2-E1	Max.tension load, 10min	Additional attenuation ≤ 0.1 dB, no damages, Fiber strain: ≤ 0.33
Crush strength	IEC 60794-1-2-E3	Crush load, 5 min	After test, additional attenuation ≤ 0.1 dB, no damages
Impact test	IEC 60794-1-2-E4	Radius: 300mm. Energy: 10J	Additional attenuation ≤ 0.1 dB, no damages
Temperature cycling	IEC 60794-1-2-F1	G652 D	≤ 0.1 dB/ km
Water Penetration	IEC 60794-1-2-F5B	Water column =1 m, Cable length = 3 m	No water leakage through the open end in 24 hours
Filling compound flow	IEC 60794-1-2-E14	70°C	No filling compound shall drip from tubes
<i>Note:</i> Measurement results according to IEC 60794 Version 1.0, 2008-10 The optical tests were carried out at 1550 nm			

Packing and Drum

HF shallow water cables are coiled on Iron-wooden drum. During transportation, right tools should be used to avoid damaging the package and to handle with ease. Cables should be protected from moisture; kept away from high temperature and fire sparks; protected from over bending and crushing; protected from mechanical stress and damage.

Ordering informationen:

Standard drum size: 4km

Print on cable: "HFiberCORE" "type number" "Meter" "Production code and Date"