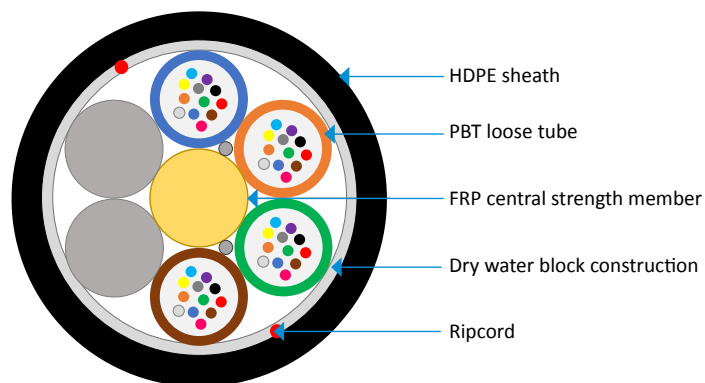


HDD 4-144F

Heavy Duty Duct cable with 4-144 fibres for conventional duct installation



CABLE STRUCTURE

- Thixotropic gel filled loose tube design
- SZ stranded around fibre plastic reinforced central strength member
- Dry water-blocking yarns and /or tape for all dry cable core construction
- Over sheathed with carbon-black impregnated UV-stabilised high density polyethylene
- Two ripcords laid beneath the sheath

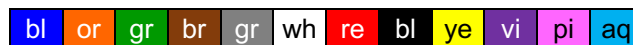
APPLICATION

- Small diameter rugged cable with good tensile, crush and bending resistance for all round superior performance
- Designed for normal sub-duct installations
- Operating temperature range: -20°C~+70°C
- 25 year life expectancy

CABLE CHARACTERISTICS

- Fibre attenuation (SM):
 $\leq 0.35 \text{ dB/km @ } 1310 \text{ nm}$
 $\leq 0.21 \text{ dB/km @ } 1550 \text{ nm}$
- Fibre attenuation (MM):
 $\leq 3.0 \text{ dB/km @ } 850 \text{ nm}$
 $\leq 1.0 \text{ dB/km @ } 1300 \text{ nm}$
- Fibre linear PMD (SM):
 $\leq 0.06 \text{ ps}/\sqrt{\text{km}} \text{ (M=20, Q=0.01\%)}$
- Installation tensile resistance:
 1.2 times cable weight, not less than 1200N
- Crush resistance:
 2000N
- Minimum bend diameter:
 20D (cable diameter)
- Water penetration:
 3m sample, 1m water column, for 24h
- Cable print:
 HDD, fibre count, fibre type, YOAC, production date, cable ID number, meter count
- All cables manufactured and tested according to IEC 60794

COLOR CODE FOR FIBRE AND TUBE



DIMENSIONS

Type	Fibre type	Fibre per tube	Tube diameter	Cable diameter	Cable weight	Drum length
HDD 4-24F	G652D/G657 & OM2/OM3/OM4	6	2.1mm	10.2mm	85kg/km	4km
HDD 48-72F	G652D/G657 & OM2/OM3/OM4	12	2.4mm	11.2mm	105kg/km	4km
HDD 96F	G652D/G657 & OM2/OM3/OM4	12	2.4mm	12.6mm	130kg/km	4km
HDD 144F	G652D/G657 & OM2/OM3/OM4	12	2.4mm	15.6mm	200kg/km	4km