Ambient-Temperature Sensing Fiber Optic Cable

Specialty Optical Cables

An optical sensing fiber runs along the cable to monitor temperature over its installed length. Cable diameter and load limits govern how it can be routed and supported.



Technical specifications

Fiber count	1/2
Cable outside diameter (mm)	3.0±0.1 / 3.3±0.1
Cable mass (kg/km) (Reference value)	25
Tensile load (Short-term / Long-term) (N)	300/200
Crush load (Short-term / Long-term) (N/100 mm)	3000/2000
Minimum bend radius	Static: 10 × cable diameter; dynamic: 20 × cable diameter