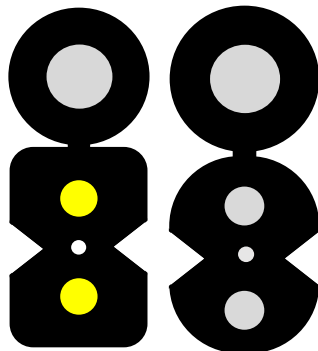


Bow-Type Drop Cable With Steel Messenger

Cable Design



FLAT

ROUND

- **Messenger:** Steel.
- **Strength Member:** KFRP/FRP/Steel.
- **Outer Sheath:** Black LSZH.

Cable Specification

Cable Cores		1	2	4
Cable Diameter	mm	(5.2±0.2) * (2.0*3.0±0.1)		
Thickness of Outer Sheath	mm	≥0.4		
Weight KFRP/Steel	kg/km	20/22		
Tension strength short/long term	N	600/300		
Crush resistance short/long term	N/10cm	1000/500		

Cable Application

Temperature Range		Minimum Bend Radius	
Transportation & Storage	-30~+65℃	Load	30×H
Operation	-30~+65℃	Unload	15×H

Main Mechanical and Environmental Characteristics

Test	Test Standard	Specified Value	Acceptance Criteria
Tensile	IEC 60794-1-2-E1	Tensile, 10min	After test $\Delta\alpha \leq 0.4\text{dB}$, at 1550nm
Crush	IEC 60794-1-2-E3	Crush /10cm, 1min	After test $\Delta\alpha \leq 0.4\text{dB}$, at 1550nm
Impact	IEC 60794-1-2-E4	1J, R=12.5mm	After test $\Delta\alpha \leq 0.4\text{dB}$, at 1550nm
Repeated Bending	IEC 60794-1-2-E6	R=30H	After test $\Delta\alpha \leq 0.4\text{dB}$, at 1550nm
Temperature Cycling	IEC 60794-1-2-F1	-40~+70℃, 2cycles	After test $\Delta\alpha \leq 0.4\text{dB}$, at 1550nm

Cabled Fiber Performance

Characteristics		Acceptance Value
Attenuation	@1310nm	$\leq 0.40\text{dB/km}$
	@1550nm	$\leq 0.30\text{dB/km}$

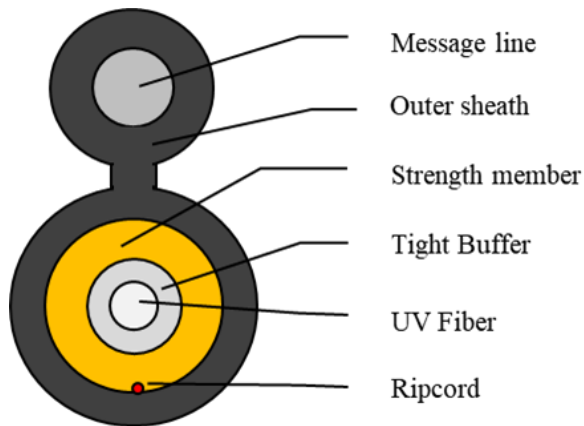
Fiber Color

Color Identification of Fiber

No	1	2	3	4
Color	Blue	Orange	Green	Brown

Round-Type Drop Cable With Steel Messenger

Cable Design



- **Messenger:** Steel/Aramid yarn.
- **Strength Member:** Aramid yarn.
- **Outer Sheath:** Black LSZH.

Cable Specification

Cable Cores		1
Cable Diameter	mm	$(5.8 \pm 0.3) * (3.1 \pm 0.3)$ mm
Thickness of Outer Sheath	mm	≥ 0.5
Weight KFRP/Steel	kg/km	20
Tension strength short	N	Steel:800 / K-FRP or aramid yarn:500
Crush resistance short	N/10cm	800

Cable Application

Temperature Range		Minimum Bend Radius	
Transportation & Storage	-30~+65℃	Load	30×H
Operation	-30~+65℃	Unload	15×H

Main Mechanical and Environmental Characteristics

Test	Test Standard	Specified Value	Acceptance Criteria
Tensile	IEC 60794-1-2-E1	Tensile, 1min	After test $\Delta\alpha \leq 0.4$ dB, at 1550nm
Crush	IEC 60794-1-2-E3	Crush /10cm, 1min	After test $\Delta\alpha \leq 0.4$ dB, at 1550nm
Impact	IEC 60794-1-2-E4	1J, R=12.5mm	After test $\Delta\alpha \leq 0.4$ dB, at 1550nm
Repeated Bending	IEC 60794-1-2-E6	R=30H	After test $\Delta\alpha \leq 0.4$ dB, at 1550nm
Temperature Cycling	IEC 60794-1-2-F1	-40~+70℃, 2cycles	After test $\Delta\alpha \leq 0.4$ dB, at 1550nm

Cabled Fiber Performance

Characteristics		Acceptance Value
Attenuation	@1310nm	$\leq 0.40\text{dB/km}$
	@1550nm	$\leq 0.30\text{dB/km}$

Fiber Color

Color Identification of Fiber

No	1
Color	Blue