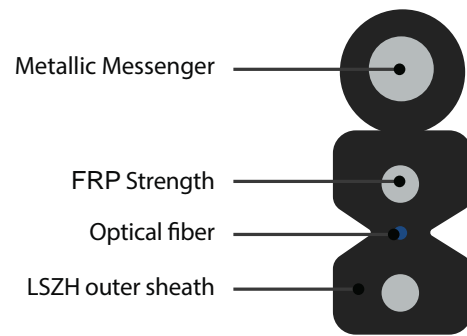


DROP CABLE GJYXCH 5x2 1F

FO0.001.DRO.103-OP

The optical fiber unit is positioned in the centre. Two parallel fiber reinforced (**steel wires**) are

placed at the two sides. **One steel wire** as the additional strength member is also applied. Then, the cable is completed with a **black LSZH** sheath.



CABLE STRUCTURE AND PARAMETER

SN	Item	Unit	Value
1	No. of fibers	count	1
2	Attenuation G.657A1	dB/km	0.3
3	Messenger wire	mm	1.0
4	FRP strength member	mm	0.5
5	Cable size(±5%)	mm	5*2
6	Cable weight(±10%)	kg/km	17
7	Term tension	N	300/600
8	Term crush	N/100mm	1000/2200
9	Bending radius static/dynamic	d	10/20
10	Fiber		G657A1

COLOR CODE

N°	1
Color	Blue

Note: S100 means interval 100mm black circle

CHARACTERISTIC OF OPTICAL CABLE

Application temperature range

- Operation: - 40°C ~ +60°C
- Installation: -20°C ~ +50°C
- Storage/transportation: - 40°C ~ +70°C

Note: Mechanical sizes are nominal values.

MAIN MECHANICAL & ENVIRONMENTAL PERFORMANCE TEST

Item	Test Method	Acceptance Condition
Tensile Strength IEC 794-1-2-E1	- Load: Short term tension - Length of cable: about 50m	- Fiber strain ≤ 0.6% - No fiber break and no sheath damage.
Crush Test IEC 60794-1-2-E3	- Load: Short term crush - Load time: 1min	- Loss change ≤ 0.1dB@1550nm - No fiber break and no sheath damage.
Impact Test IEC 60794-1-2-E4	- Points of impact: 3 - Times of per point: 1 - Impact energy: 1J	- Loss change ≤ 0.1dB@1550nm - No fiber break and no sheath damage.
Repeated Bending IEC 60794-1-2-E6	- Bending radius: 20 x OD - No. of cycle: 30	- Loss change ≤ 0.1dB@1550nm - No fiber break and no sheath damage.
Torsion IEC 60794-1-2-E7	- Length: 1m - Twist angle: ±180° - No. of cycle: 10	- Loss change ≤ 0.1dB@1550nm - No fiber break and no sheath damage.
Compound flow IEC 60794-1-2-E14	- Length: 30cm - Temperature: 70 °C ± 2 °C - Period: 24h	- No outflow or dripping
Temperature Cycling IEC 60794-1-2-F1	- Temperature: +20°C → -40°C → +60°C → +20°C - Time of each step: 12h - Number of cycle: 2	- Loss change ≤ 0.1dB/km@1550nm - No fiber break and no sheath damage.