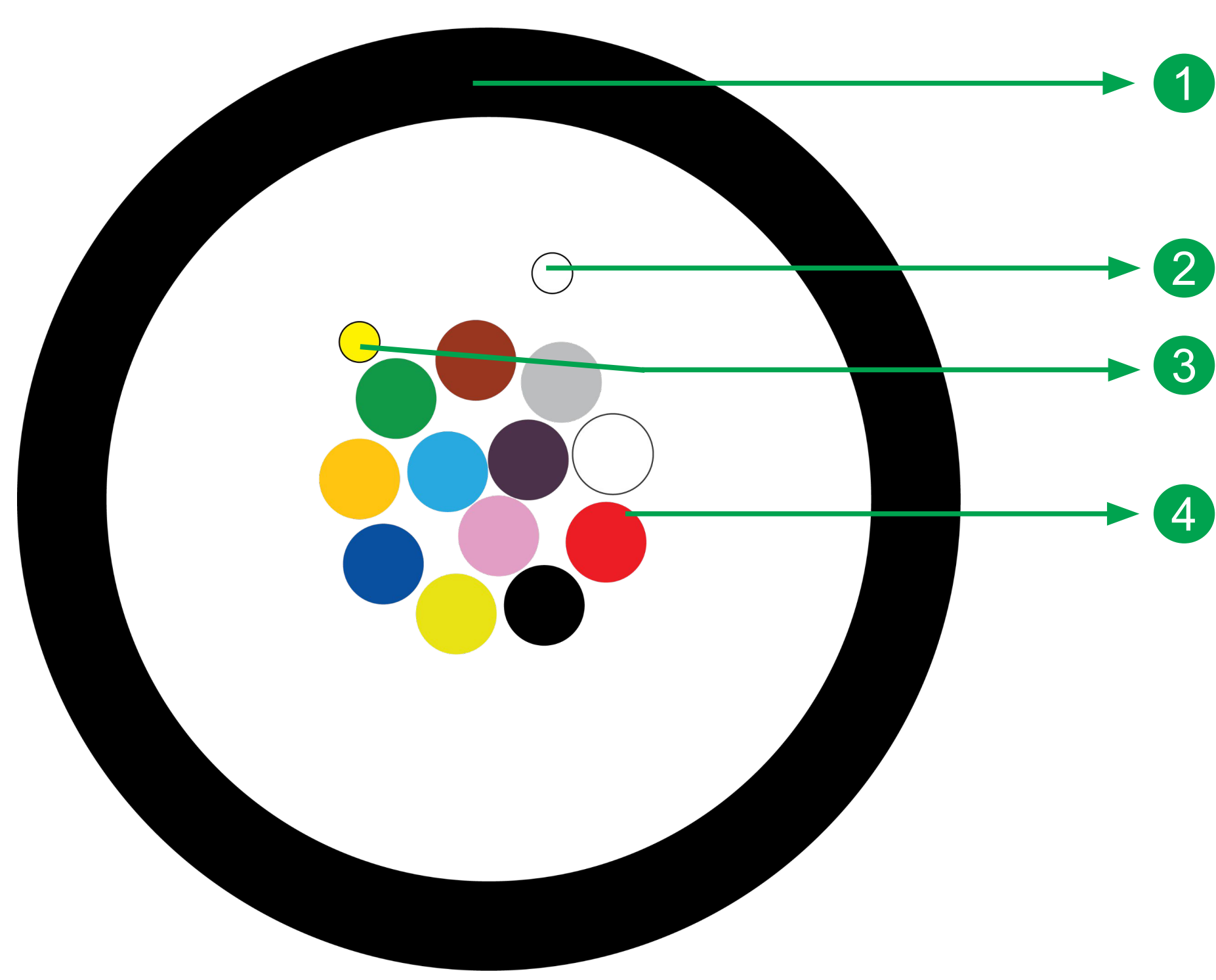
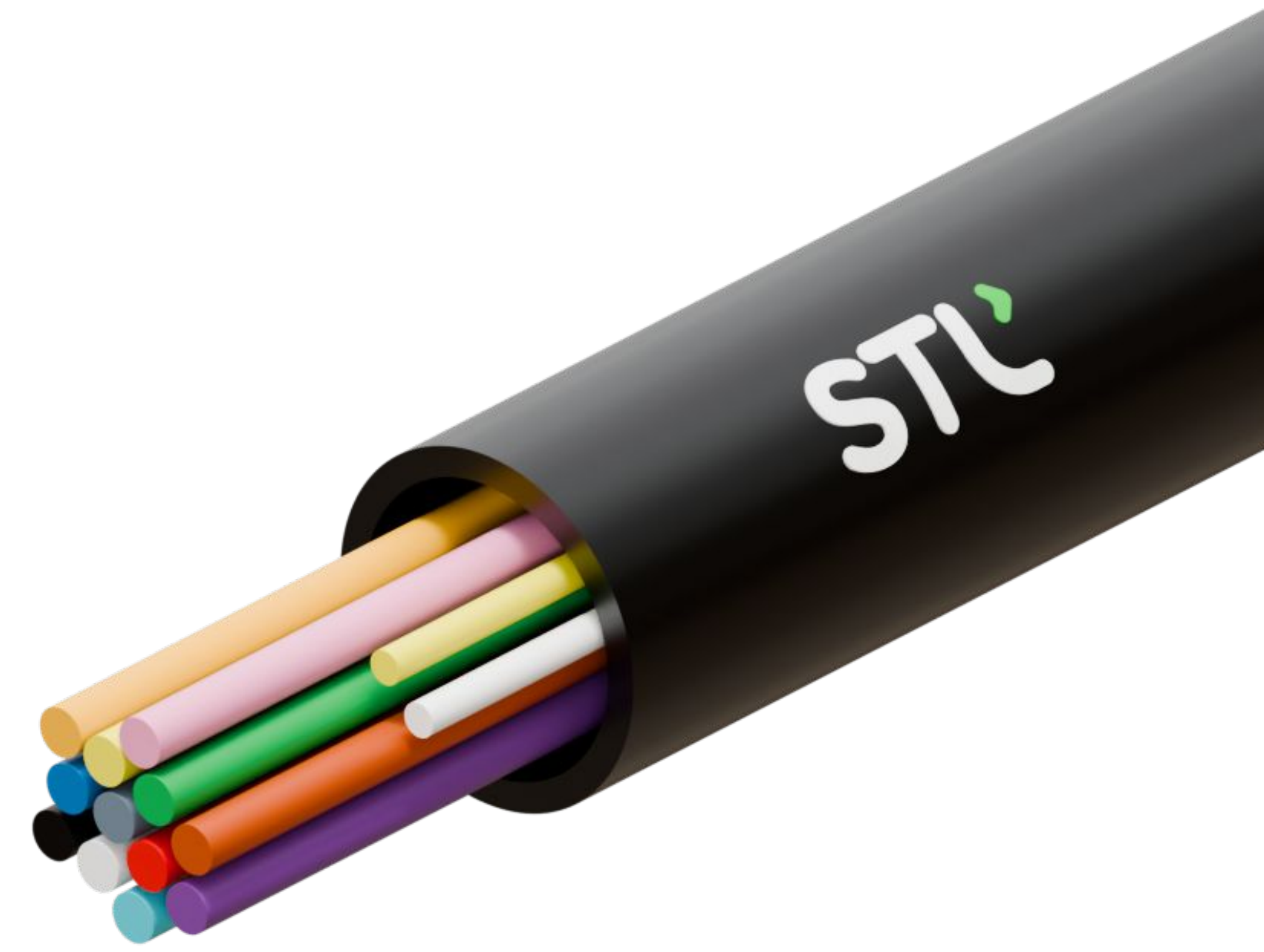


Celesta (IBR)

Air Blown Outdoor G.657 A2 250 Gel Free PP Single Jacket OFC
12F-24F-48F



1 OUTER JACKET

2 WATER SWELLABLE YARNS

3 ARAMID YARNS

4 RIBBON OF 12 FIBERS

* Typical Construction Diagram - Not to Scale

Features & Benefits

- Small size, fast cable termination and easy cable management.
- Optimum solution for last mile application.
- Provides comparable better crush and impact resistance.

Product Details

STL Celesta IBR Air blown Fiber Optic cable is generally used in FTTx applications. It features lightweight and small diameter specifically designed for metro feeder or access networking, especially suitable for air-blowing installations into single or bundled micro ducts.

Fibers and Cable Performance Standards

Cable complies to the following standards IEC 60793, IEC 60794, ANSI/ICEA S-122-744, Telcordia GR-20, ITU-T, RoHS, REACH, EIA/TIA-598C.

Printing Details

STERLITE SM 'FIBRE COUNT' 'FIBRE TYPE' CELESTA AIR BLOWN LASER SYMBOL TELEPHONE SYMBOL YEAR OF MANUFACTURE LENGTH CODE FEET/METER MARKING

Note: The accuracy of marking shall be + 0.5%. Occasional loss of printing & remarking shall be as per Bellcore GR 20, and this supersedes the earlier markings.

Specifications

Physical Characteristics	
Fiber Type	ITU-T G.657 A2
Maximum Cabled Attenuation (dB/km)	1310nm: 0.4, 1550nm: 0.3
PMD LDV (ps/sqrt.km)	</= 0.2
Type of Ribbon	Intermittently Bonded Ribbon (IBR)
Fibers per IB Ribbon	12
Fiber Color Sequence in IB Ribbon	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Aqua
Strength Member	High Strength Aramid Yarn along with Fibers

Cable Characteristic				
Product Code	Fiber Count	No of Ribbons	Cable Diameter mm (inch) (± 0.3)/ (0.01 inch)	Cable Weight kg/km (lbs./ft.) (±10%)
U10012S201FAR10000	12	1	3.0 (0.11)	6 (0.0040)
U10024S201FAR10000	24	2	3.0 (0.11)	6.5 (0.0043)
U10048S201FAR10000	48	4	4.3 (0.17)	9.5 (0.0064)

Mechanical & Environmental Characteristics		
Cable Characteristics	Testing Standard Method	Cable Performance
Tensile Strength (N) (lbf)	ICEA 122-744 FOTP-33	Max. Installation Load: 111 (24.95) Max. Operational Load: 36 (8.09)
Crush Resistance (N/100 mm) (lbf/in)	ICEA 122-744 FOTP-41	800 (45.68)
Impact Strength (Nm) (lbf.in)	ICEA 122-744 FOTP-25	1 (8.85)
Torsion	ICEA 122-744 FOTP-85	±180°, 100 N
Min. Bend Radius (During Installation)	ICEA 122-744 FOTP-88	20D
Min. Bend Radius (After Installation)	ICEA 122-744 FOTP-88	10D
Water Penetration Test	ICEA 122-744 FOTP-82	1m waterhead, 3m samples, 24 h
Temperature Performance	ICEA 122-744 FOTP-3	Max. change in attenuation shall be </= 0.15 dB/km
Installation		-30°C to +70 °C
Operation		-30°C to +70°C
Storage		-40°C to +70°C

Note 2: All tests shall be carried out as per ICEA standards. Change in attenuation after and before testing shall be </= 0.05 dB/km

Packing and Lengths

Drum Type	Length Multiple (in feet)	Order Tolerance	Short Lengths
Plywood	13123 20000 ± 5%	±5%	Max 5%, Customer Approval

Ordering Information

Optical fiber cable in other fiber types may be available on request, please create product code from the table below. Cable complies to the following standards IEC 60793, ANSI/ICEA S-87-640, Telcordia GR-20, ITU-T, RoHS, REACH.

Product type (aa)		Fiber count				Fiber type (bb)		No. of active tubes		Cable core type (c)	Fibers colour code (d)	Jacket/ Sheath type (ee)		Running number		Special Request (ff)	
1		2				3		4		5	6	7		8		9	
-	-	-	-	-	-	-	-	-	-	F	A	-	-	0	0	0	0

Create the desired Product Code following the instructions below:

1. aa - Product Type

Code	Product Type
U1	IBR Round Drop

2. Fiber count by indicating the corresponding number from 0012 to 0048
3. bb - Fiber code corresponding to requested fiber type among following options

Fiber Code	Fiber type (ITU-T)	STL’s Fiber Name	Mode Field Diameter MFD ±0.4 (µm) at 1310 nm
S2	G.657.A2	HD A2 250	8.6

4. Number of active tubes : 01 to 06
5. c - Cable Core Type

Code	Core Type
F	Dry tube/ Dry Core

6. d - Fiber Color Code

Code	Fiber Color Code
A	A- EIA/TIA 598 C- Blue to Aqua

7. ee - Jacket Type

Code	Sheath Type
R1	Polypropylene (PP)

For additional information please contact your sales representative.

You can also visit our website at www.stl.tech

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