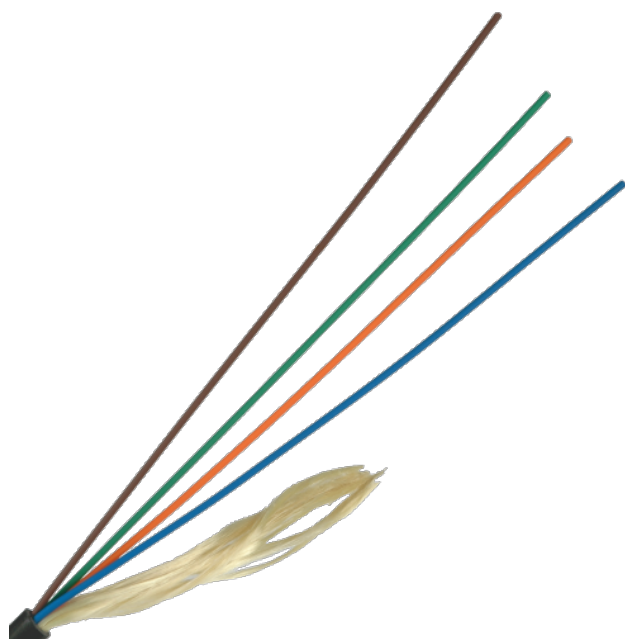


Outdoor Distribution Cable



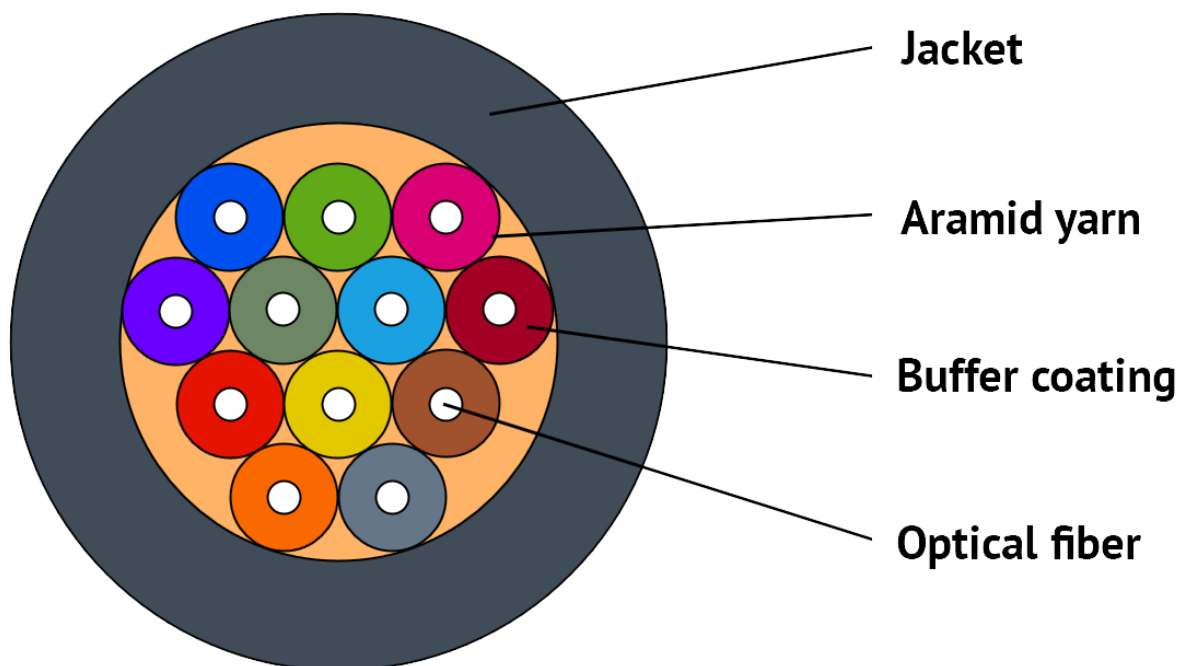
Product Code: [LAN-OFC-DOnn-yy-zz](#)

Outdoor Distribution Cable

Description

Used as a distribution cable for cabling in cable trays, in cable ducts, pipes, tunnels, and for cabling on the external facades of buildings.

Design:



The cable contains a bundle of optical fibers in a tight buffer coating which is covered with a layer of reinforcing aramid yarn. The cable jacket is made of polyethylene.

Cable jacket color is black.

Color identification of tight buffer optical fibers:

№	Fibers 1-12	№	Fibers 13-24
1	Blue	13	Blue + 1 метка
2	Orange	14	Orange + 1 mark
3	Green	15	Green + 1 mark
4	Brown	16	Brown + 1 mark
5	Grey	17	Grey + 1 mark
6	White	18	White + 1 mark
7	Red	19	Red + 1 mark
8	Black	20	Black + 1 mark
9	Yellow	21	Yellow + 1 mark
10	Violet	22	Violet + 1 mark
11	Pink	23	Pink + 1 mark
12	Turquoise	24	Turquoise + 1 mark

Weight and dimensions:

Fiber count in the cable	Cable diameter, (± 0.2) mm	Cable weight, (± 5) kg/km
2	4,0	14,1
4	4,5	18,0
8	5,0	30,0
16	7,0	40,0
24	7,2	55,0

Operating conditions:

Minimum bend radius	Without pulling tension	10 cable diameters
	With maximum pulling tension	20 cable diameters
Temperature range $^{\circ}\text{C}$	Installation	$-10^{\circ}\text{C} \dots +60^{\circ}\text{C}$
	Storage	$-20^{\circ}\text{C} \dots +60^{\circ}\text{C}$
	Operating	$-20^{\circ}\text{C} \dots +60^{\circ}\text{C}$
Lifetime		25 years

Physical characteristics:

№	Characteristic	Value
1	Maximum pulling tension	660 N
2	Maximum crushing strength	1000 (N/100mm)

Applicable optical fibers:

SU	Single-mode fiber with extended operating wavelength and reduced attenuation and low bending loss (ITU G.652D+G.657.A1 recommendation)
S2	Single-mode fiber with an extended bandwidth of operating wavelengths (ITU-T G.652D recommendation)
S5	Single-mode positive non-zero dispersion shifted fiber (ITU-T G.655 recommendation)
S7	Single-mode with low bending loss (ITU-T G.657 recommendation)
M1	Multi-mode with core to cladding ratio 62,5/125 μm (IEC 60793-2-10 A1b type recommendation)
M2	Multi-mode with core to cladding ratio 50/125 μm (ITU-T

M3	G.651 recommendation and IEC 60793-2-10 type A1a.1 requirements) Multi-mode with low bending loss and core to cladding ratio 50/125 μm (ITU-T G.651 recommendation and IEC 60793-2-10 A1a.2 type requirements)
M4	Multi-mode with low bending loss and core to cladding ratio 50/125 μm (ITU-T G.651 recommendation and IEC 60793-2-10 A1a.3 type requirements)

Model range

LAN-OFC-DO24-S7-PE	Outdoor FO cable, Distribution, PE, 24 fibers, SM, G.657, fibers
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Product descriptions are listed according to the available information at the time of publication. Product specifications can be changed without advanced notification. More detailed and exact information can be obtained from the official partners and distributors of LANMASTER.