

PRODUCT SPECIFICATION AJ99**XX76EYIALR**

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1.0 SCOPE

This document establishes the specification requirements for an indoor/outdoor distribution fiberoptic cable. This cable construction consists of singlemode OS2 fibers in a distribution tight-buffered design with an interlocking armor and a plenum rated jacket.

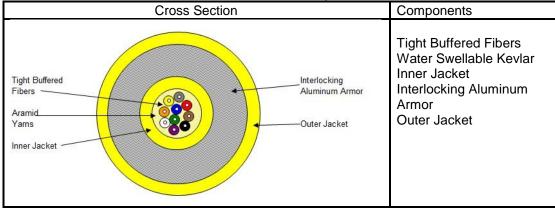
2.0 APPLICABLE DOCUMENTS

Reference Documents: TIA/EIA FOTP Standards 455 Color Coding of Fiber Optic Cables TIA/EIA-598 GR-409-CORE UL 910

3.0 REQUIREMENTS

This document contains test values for all-important mechanical, optical, and environmental parameters and as such, is the basis for all-incoming inspection and acceptance.

4.0 CABLE CROSS SECTION (representative of standard construction)



5.0 OVERALL CABLE CONSTRUCTION

- 5.1 Tight Buffered Fiber
 - Dimension: 900µm, nominal.

Tight buffered fiber color code: 1-blue, 2-orange, 3-green, 4-brown, 5-slate, 6-white, 7-red, 8-black, 9-yellow, 10-purple, 11-pink and 12-aqua

5.2 Cable strength

Water swellable aramid yarns are pulled in with the tight-buffered fibers under the inner sheath.

5.3 Inner Sheath

UV Resistant black plenum rated jacket (or color per customer request)

5.4 Cable Markings

CCT AJ 99 SERIES, FIBER OPTIC CABLE, No. Fiber-SM, CCT., MM/YY (month & year of manufacture), OFNP C(ETL)US, Sequentially marked.

- 5.5 Armor
 - Aluminum Interlocking Armor Tape
- 5.6 Outer Sheath

UV Resistant yellow plenum rated jacket (or color per customer request)

5.7 Cable Markings

CCT AJ99 SERIES, FIBER OPTIC CABLE, XX(No. of Fibers)-SM OS2, CCT., MM/YY (month & year of manufacture), OFCP/OFC FT6, LL86051 (T), c(CSA)us Sequentially meter marked. Special print as required by customer.



1751 State Rte. 17A Florida, New York 10921 866-905-6744 * 845 651-5250 Fax 845 651-3564 Email SALES@cctcable.com Data listed on this document are subject to normal manufacturing tolerances. CCT reserves the right to improve, enhance and/or modify the features and specifications of CCT without prior notification.

ССТ	No. of	Cable	Cable	Weight	Weight
Part Number	Fibers	OD (mm)	OD (in.)	KG/KM	LB/1000ft
9900276ERYNOOP	2	4.3	.170	18	12
9900476ERYNOOP	4	4.4	.185	21	14
9900676ERYNOOP	6	4.6	.200	27	18
9900876ERYNOOP	8	5.0	.215	31	20
9901276ERYNOOP	12	5.8	.250	39	26

Dimensions and weights including the armored jacket

ССТ	No. of	Cable	Cable	Weight	Weight
Part Number	Fibers	OD (mm)	OD (in.)	KG/KM	LB/1000ft
AJ990276EYIALR	2	15.4	0.605	185	124
AJ990476EYIALR	4	15.4	0.605	188	126
AJ990676EYIALR	6	15.4	0.605	193	130
AJ990876EYIALR	8	15.4	0.605	196	132
AJ991276EYIALR	12	15.4	0.605	205	138

5.0 FIBER CHARACTERISTICS

Single mode*
0.40/0.30 dB/km**
$125.0 \pm 7 \ \mu m$
0.5 μm
0.7%
$242\pm7~\mu m$
<1260nm
$9.0 \pm 0.4 \mu m$ @ 1310nm
$10.1 \pm 0.5 \mu m @ 1550 nm$
≤0.05dB/km (-60°C to 85°C)
0.090ps/nm ² -km
0.06ps/√km
1.467 / 1.468
100 kpsi

** Measured attenuations on shipping reels will not exceed the nominal values by .75dB/km (Tight Buffered Cables Only)

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Impact Resistance: 25 Impacts (min.)

6.0 MECHANICAL & ENVIRONMENTAL PERFORMANCE

Cable only without armor: Maximum Tensile Load for:

Installation: 4-fiber 1405N/315lbf, 6&8-fiber 1610N/362lbf	Flexing, ±90°: 25 Cycles (min.)		
12-fiber 2700N/600lbf	Crush Resistance: 100N/cm		
Long Term: 4-fiber 455N/102lbf, 6&8-fiber 535N/120lbf	Temperature rating:		
12-fiber 600N/135lbf	Operation,	-20°C to +85°C	
Minimum bending radius:	Installation,	0°C to +75°C	
Loaded: 20 x diameter	Storage,	-40°C to +85°C	
Unloaded: 10 x diameter	-		

Overall over armor:

Maximum Tensile Load for the Interlock Armored Jacket: Temperature rating: 600N / 150lbf Crush Resistance (Over Armor): 1000N/cm

7.0 PREPARATION FOR DELIVERY

The cable shall be packaged to preclude the inducement of damage due to handling and transportation, and shall be in accordance with the best commercial practices available.

Customer Signature of Approval for Acceptance of this Custom Cable Design
Your signature constitutes that you have read and agreed to this specification sheet and upon confirmation of your order; this item may be non-cancelable and non- returnable.
Signature:
Company:
Date:

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