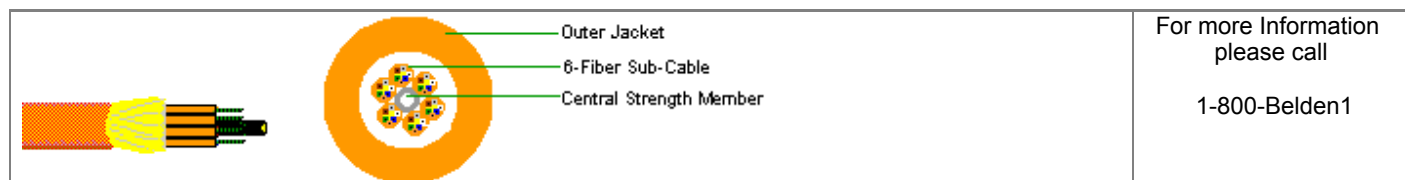


ENGLISH MEASUREMENT VERSION

M9S604 Fiber - LANLite® Distribution Cable**Description**

Belden® distribution backbone cables offer tight buffer technology and easier cable preparation. The glass fiber performance has been updated to include Gigabit Ethernet Grade fiber to handle Gigabit Ethernet light sources and bandwidth requirements

Physical Characteristics (Overall):

Fiber Type	50/125/900 Micron
Number of Fibers	36
Core Diameter	50 +/- 2.5
Core Non-Circularity	5% Maximum
Clad Diameter	125 +/- 2
Clad Non-Circularity	1% Maximum
Primary Coating Material	Acrylate
Primary Coating Diameter	245 +/- 10
Secondary Coating Material	Engineering Thermoplastic
Secondary Coating Diameter	900 +/- 50

Fiber Color Code Chart

Color
Blue
Orange
Green
Brown
Gray
White

Core-clad Offset	1.5 Microns Maximum
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Inner Jacket:**Outer Jacket:**

Outer Jacket Material

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Color	Orange
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Strength Member:

Strength Member Material	Aramid Yarn
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Overall Cabling:

Overall Nominal Diameter:	0.644 in.
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Mechanical Characteristics (Overall):

Operating Temperature Range	-20°C To +70°C
Storage Temperature Range	-40°C To +80°C
Bulk Cable Weight:	137 lbs/1000 ft.
Min. Bend Radius (Install):	9.700 in.
Min. Bend Radius for Long Term Application:	6.400 in.
Max. Load for Installation:	1440 lbs.
Max. Load for Long Term Application:	240 lbs.
Proof Test:	100 kpsi

Applicable Specifications and Agency Compliance (Overall):**Applicable Standards:**

IEEE Specification	802.3Z
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Flame Test:

UL Flame Test	OFNR
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C(UL) Flame Test	OFNR
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CSA Flame Test	FT4
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Suitability:

Suitability - Indoor	Excellent
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Suitability - Outdoor	Fair
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Sunlight Resistance	N
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Plenum/Non-Plenum:

Plenum (Y/N)	N
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Plenum Number	PTDP536
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Optical Characteristics (Overall):

Maximum Attenuation @ 850nm	3.5
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Maximum Attenuation @ 1300nm	1.25
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Point Loss @ 850nm & 1300nm	.2
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Minimum Bandwidth @ 850nm	500
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Minimum Bandwidth @ 1300nm	500
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Refractive Index @ 850nm	1.483
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Refractive Index @ 1300nm	1.479
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Numerical Aperture	.2
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Maximum Gigabit Ethernet Length @ 850nm	600
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Maximum Gigabit Ethernet Length @ 1300nm	600
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Notes (Overall):

Notes	The jackets of the 6 fiber groups are printed as follows: "ONE - BLUE", "TWO - ORANGE", "THREE - GREEN", "FOUR - BROWN", "FIVE - GRAY", & "SIX - WHITE"
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