

HITACHI CABLE MANCHESTER

Customer Specification

HCM - 60258/36

RFQ #: 27941

ITEM DESCRIPTION: FIBER OPTIC DISTRIBUTION CABLE, OFNP RATED, CONSISTING OF (36) 62.5 MICRON MULTIMODE FIBER(S), INDOOR WITH A SOLEF JACKET.

COMPONENT:

FIBER: CENTRAL STRENGTH EPOXY ROD

THIS CENTRAL STRENGTH MEMBER IS UPJACKETED.

COMPONENT:

FIBER: 62.5/125/250 SGBE

INSULATION: LOW SMOKE PVC
.035" NOM OD

<u>FIBER#</u>	<u>COLOR</u>	<u>FIBER#</u>	<u>COLOR</u>
1	BLU	2	ORN
3	GRN	4	BRN
5	GRY	6	WHT

JACKET:

LOW SMOKE PVC ORANGE
.190" NOM OD (4.8mm)
.025" AVG WALL

SIX (6) BUFFERED FIBERS ARE PULLED IN WITH ARAMID YARNS AND JACKETED TO FORM A COMPONENT LEG.

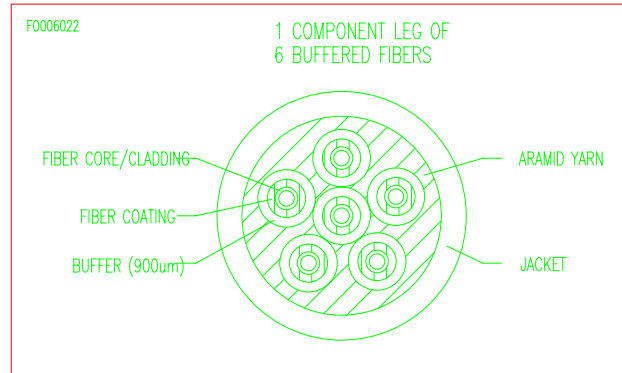
A RIPCORDER IS PULLED IN UNDER EACH COMPONENT LEG JACKET.

HITACHI CABLE MANCHESTER, INC. 900 Holt Avenue-East Industrial Park Manchester, N.H. 03109 (603) 669-4347	Drawn By: RGI Date: 09/06/00 Checked By: RPO Date: 09/06/00 Issued By: RGI Date: 09/06/00	REV# B
	THIS PRODUCT MADE IN THE U.S.A.	
ITEM: 60258-0036-A77-XXX-300-S-01000-7323-00	PAGE 1 of 4 Approved By: Date:	

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MARKING:

THE CABLE IS IDENTIFIED WITH THE FOLLOWING PRINT LEGEND:

COMPONENT #1:

LEG #1

COMPONENT #2:

LEG #2

COMPONENT #3:

LEG #3

COMPONENT #4:

LEG #4

COMPONENT #5:

LEG #5

COMPONENT #6:

LEG #6

CABLING:

COMPONENTS #1-#6 ARE CABLED AROUND A CENTRAL STRENGTH MEMBER AND WRAPPED WITH BINDERS.

OVERALL JACKET:

SOLEF ORANGE
.631" NOM OD (16.0mm)
.030" AVG WALL

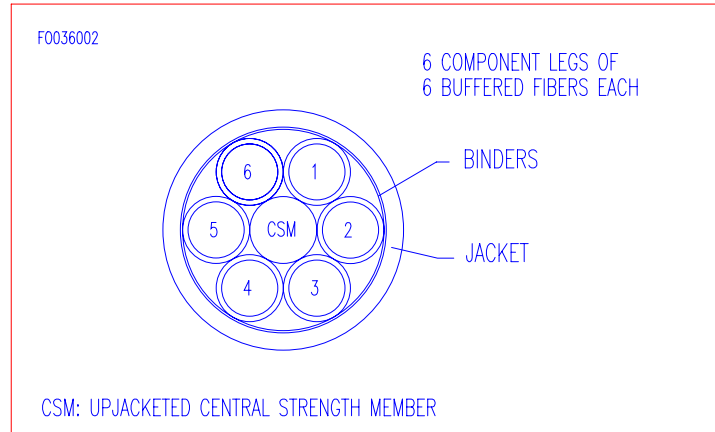
THE CABLE IS PULLED IN AND JACKETED.

A RIPCORDER IS PULLED IN UNDER THE JACKET.

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MARKING:

THE CABLE IS IDENTIFIED WITH THE FOLLOWING PRINT LEGEND:
HITACHI CABLE MANCHESTER 1-800-772-0116 P/N
60258-36 36-FIBER 62.5/125 PLENUM DISTRIBUTION
CABLE E188900 c(UL)us OFNP OFN-FT6 COMPLIANT
TO BELLCORE GR-409-CORE, TIA/EIA-568-B,
ISO/IEC-11801 ZZ/YY (JOB#) XXXXXX FEET
WHERE: ZZ = MONTH OF MFG.
YY = YEAR OF MFG.
XXXXXX = SEQUENTIAL MARKINGS (IN FEET)

FIBER PERFORMANCE:

MINIMUM BEND RADIUS: CABLE: 9.459 IN. DURING INSTALLATION
6.306 IN. AFTER INSTALLATION

TENSION RATING:

INSTALLATION: 768. LBS (3417.N)
POST INSTALLATION: 384. LBS (1708.N)

OPERATING TEMPERATURE RANGE : -4°F TO 176°F (-20°C TO 80°C)

STORAGE TEMPERATURE RANGE: -40°F TO 176°F (-40°C TO 80°C)

INSTALLATION TEMPERATURE RANGE: 32°F TO 122°F (0°C TO 50°C)

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FIBER OPTICAL SPECIFICATIONS:

FIBER: 62.5/125/250 GRADED INDEX FIBER

FIBER SPECIFICATIONS:

CORE DIAMETER	62.5 ± 3.0 μm
CLADDING DIAMETER	125.0 ± 2.0 μm
CORE-CLAD CONCENTRICITY	≤ 3.0 μm
CORE NON-CIRCULARITY	≤ 5.0%
CLADDING NON-CIRCULARITY	< 2.0%
COATING DIAMETER	245 ± 10 μm
COATING-CLADDING CONCENTRICITY	< 12 μm
PROOF TEST	100 kpsi (0.70 GN/m ²)
POINT DISCONTINUITY	≤ 0.20 dB @ 850 nm and 1300 nm
ZERO DISPERSION WAVELENGTH (λ _o)	1332 nm ≤ λ _o ≤ 1354 nm
ZERO DISPERSION SLOPE (S _o)	≤ 0.097 ps/(nm ² • km)

OPTICAL SPECIFICATIONS:

MAX ATTENUATION	3.5 dB/km @ 850 nm 1.0 dB/km @ 1300 nm
AT WATER PEAK	≤ 1.0 dB/km @ 1380 nm
MIN BANDWIDTH	200 Mhz-km @ 850 nm 500 Mhz-km @ 1300 nm
NUMERICAL APERTURE	0.275 ± 0.015

FILE: 20503510.DOC
REV. 1 06/04

Rev	Revision	Date	By	Appvd	PAGE 4 of 4
A	UPDATED RFQ DETAILS	10/03/00	RGI	RGI	
B	UPDATED PRINT LEGEND	08/06/04	SPR	SPR	