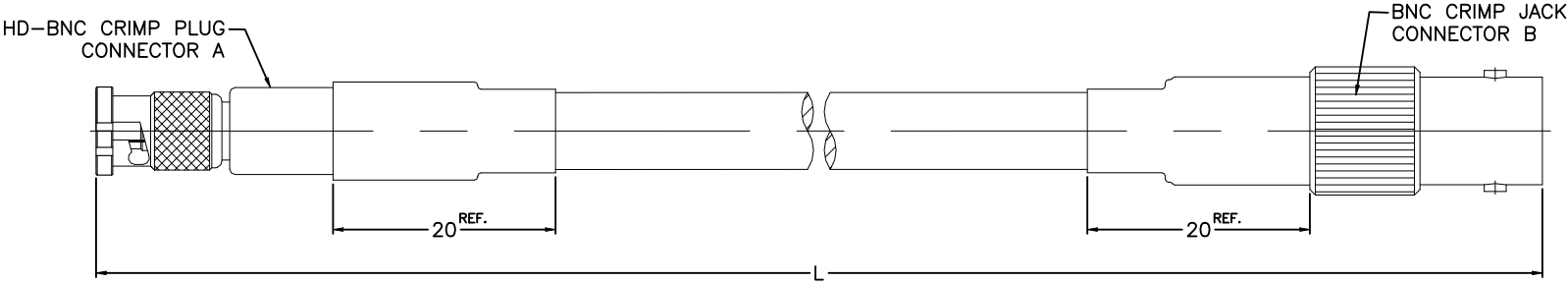


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	GTP PER ECN-24-271430	18JUN2024	ED	WH

NOTES:

- 1 ALL DIMENSIONS ARE NOMINAL FOR REFERENCE ONLY UNLESS OTHERWISE STATED;
- 2 ELECTRICAL CHARACTERISTICS :
FREQUENCY RANGE : DC-4 GHz
NOMINAL IMPEDANCE : 75 OHMS
INSULATION RESISTANCE : TBA MOHMS
WORKING VOLTAGE : 170 VRMS MAX
DIELECTRIC WITHSTANDING VOLTAGE : >250 VOLTS max
- 3 MECHANICAL CHARACTERISTICS :
DURABILITY : 500 CYCLES
CABLE RETENTION FORCE(CABLE ASSEMBLY): 40lbs min.
- 4 TEMPERATURE RANGE: -30°-+75°;
- 5 RoHS: COMPLIANT.
- 6 CONNECTOR SIDE A(HD-BNC CRIMP PLUG)
CENTER CONTACT: PHOSPHOR BRONZE, 10 MICROINCHES GOLD PLATED OVER NICKEL UNDERPLATED OVER COPPER UNDERPLATED.
INSULATION: PTFE.
OUTER CONTACT: BERYLLIUM COPPER, 100 MICROINCHES NICKEL PLATED OVER COPPER UNDERPLATED.
BODY: BRASS, 100 MICROINCHES NICKEL PLATED OVER COPPER UNDERPLATED.
- 7 CONNECTOR SIDE B(BNC CRIMP JACK)
CENTER CONTACT: PHOSPHOR BRONZE 10 MICROINCHES GOLD PLATED OVER NICKEL UNDERPLATED OVER COPPER UNDERPLATED.
INSULATION: PTFE.
BODY: BRASS, 100 MICROINCHES NICKEL PLATED OVER COPPER UNDERPLATED.



TEPN	L(mm)	INS LOSS(MAX)	VSWR
2483417-1	152±6	<0.7dB(DC-4GHz)	<1.45 (DC-4GHz)
2483417-2	305±8	<0.8dB(DC-4GHz)	<1.45 (DC-4GHz)

					2	2	PC	/	HEAT SHRINK TUBING (BLACK)	4
					1	1	PC	/	BNC CRIMP JACK	3
					276	123	mm	/	CABLE: NFC94a NF CABLE SPEC REFER TO SHEET 2	2
					1	1	PC	/	HD-BNC CRIMP PLUG	1
					-2	-1	U/N	TEPN	DESCRIPTION	ITEM
QUANTITY PER ASSY								PARTS LIST		

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm

MATERIAL
-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± -

4 PLC ± -

ANGLES ± -

FINISH -

DWN
SIDDHARTH SINGH
CHK
ERIC DAI
APVD
WENKE HE
PRODUCT SPEC
-
APPLICATION SPEC
-
WEIGHT
0

06MAR2024
06MAR2024
06MAR2024

NAME
BNC F to HDBNC M Str 75 Ohm NFC94a,LENGTH=L
-
-
-
A300779

SIZE
CAGE CODE
DRAWING NO
C-2483417

RESTRICTED TO
-

CUSTOMER DRAWING

SCALE
1:1

SHEET
1 OF 2

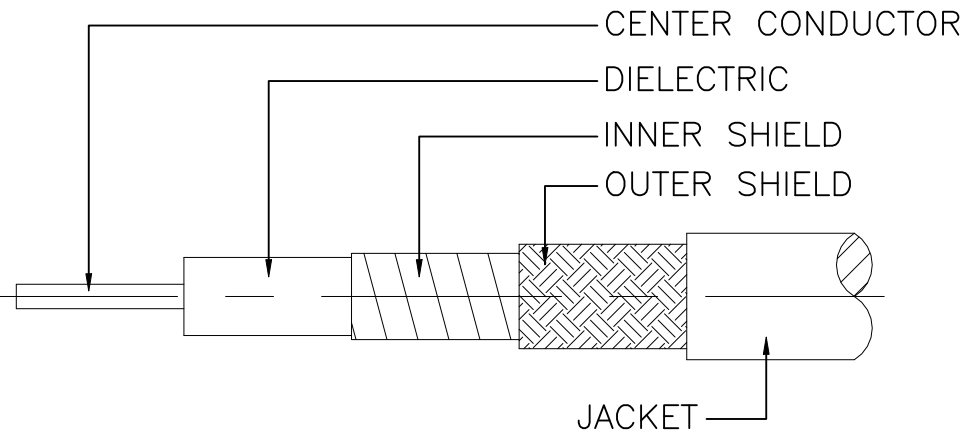
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A

TE Connectivity Ltd.

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—

PERFORMANCE:

ITEM	VALUE
Characteristic Impedance	75 ohms
Operating Frequency	6 GHz
Capacitance	53 pF/m
Conductor resistance	21 Ω/kM (MAX.)
Insulation resistance	1000 MΩ/Km (Min.)
Withstand Voltage	1000 V/DC
Rating Temperature	60°C
Operating Temperature	−30°C ~ 75°C
Bend Radius : Installation	69.9 mm



MATERIAL AND DIAMETER:

ITEM	MATERIAL	DIAMETER (mm)	REMARK
Center Conductor	Bare Copper	1.02 ±0.03	Solid
Dielectric	GAS—FPE	4.57 ±0.1	Solid
Inner Shield	Double Bonded Aluminum Foil		Tape
Outer Shield	Tinned Copper		Braid
Jacket	PVC	6.9 ±0.2	Black

ATTENUATION:

FREQUENCY (MHz)	(dB/100M)
1000	20.7
1500	25.6
2000	30.2
2250	32.2
3000	37.7
4500	47.6
6000	58.1

RETURN LOSS:

FREQUENCY (MHz)	Minimum RL (dB)
5—1600	23
1600—4500	21
4500—6000	15

Suitable Applications: SMPTE 2081—1 6 Gb/s UHDTV, SMPTE 424M 3 Gb/s HD—SDI 1080p

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN 06MAR2024
SIDDHARTH SINGH
CHK 06MAR2024
ERIC DAI
APVD 06MAR2024
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PRODUCT SPEC
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APPLICATION SPEC
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WEIGHT —

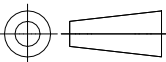


TE Connectivity Ltd.

NAME
BNC F to HDBNC M Str 75 Ohm NFC94a,LENGTH=L

DIMENSIONS:
mm

TOLERANCES UNLESS
OTHERWISE SPECIFIED:



0 PLC ± —
1 PLC ± —
2 PLC ± —
3 PLC ± —
4 PLC ± —
ANGLES ± —
FINISH —

MATERIAL

—

CUSTOMER DRAWING

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C=2483417	—

SCALE 1:1 SHEET 2 OF 2 REV A

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[2483417-2](#) [2483417-1](#)