



EKSELANS BY ITS

EK RANGE OF LAN CABLE



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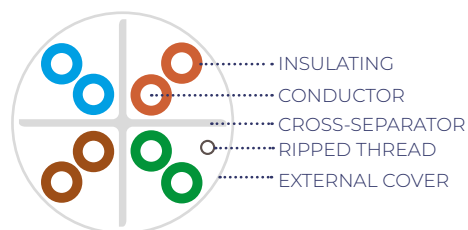
LAN CABLE CAT6 / CPR Dca

EK ROLLER

CLUR 6 CUD

- ✓ 4 twisted pairs with cross
- ✓ CPR Dca
- ✓ 305m Coil
- ✓ Compatible with EK ROLLER

**CPR
Dca**



CLUR 6 CUD

Ek ROLLER

REFERENCE	CLUR 6 CUD	
Code		390018
Construction	Screening	U/UTP
	Conductor material	BC, copper
	Diameter	24 AWG (0.51±0.01mm)
	Insulation material	HDPE
	Nominal thickness	0.21mm
	Diameter	0.93±0.05mm
	Outside cover material	LSZH
	Outside diameter	5.8±0.10mm
	Color	White RAL9010
	Cross-pair separator	Yes
Electrical characteristics	Rip cord	Yes
	Frequency range	1-250MHz
	Impedance	93.8Ω/Km
	Mutual capacitance	≤56nF/Km
	Maximum unbalanced capacity	≤330pF/100m
	Maximum unbalanced DC resistance	≤5%
General	Sheath insulation voltage (DC, 1min.)	1KV
	Minimum bend radius	65mm
	Storage Temp Range	-15°C ~ 75°C
	Temp range installation	-15°C ~ 75°C
	Work temperature	0°C ~ 60°C
	Maximum pulling force	25lbs
Packaging	CPR	Dca
Weight	Kg	11,5 / 9.7
Color code		Wooden spool 305m compatible with Ek ROLLER
	Pair1	Blue – white/blue
	Pair2	Orange – white/orange
	Pair3	Green – White/green
	Pair4	Brown – white/brown

Frequency (MHZ)	Att. Max. (dB/100m)	NEXT (dB)	RL (dB)	PS-NEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1	3.0	65.0	19.1	62.0	64.2	61.2
4	3.5	64.1	21.0	61.8	52.1	49.1
8	5.0	59.4	21.0	57.0	46.1	43.1
10	5.5	57.8	21.0	55.5	44.2	41.2
16	7.0	54.6	20.0	52.2	40.1	37.1
20	7.9	53.1	19.5	50.7	38.2	35.2
25	8.9	51.5	19.0	49.1	36.2	33.2
31.25	10.0	50.0	18.5	47.5	34.3	31.3
62.5	14.4	45.1	16.0	42.7	28.3	25.3
100	18.6	41.8	14.0	39.3	24.2	21.2
200	27.4	36.9	11.0	34.3	18.2	15.2
250	31.1	35.3	10.0	32.7	16.2	13.2

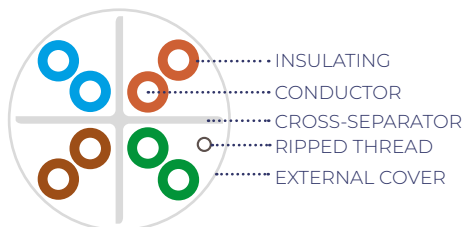
LAN CABLE CAT6 / CPR Dca

EK ROLLER

CLUR 6 CUD/500

- ✓ 4 twisted pairs with cross
- ✓ CPR Dca
- ✓ 500m Coil
- ✓ Compatible with EK ROLLER

CPR
Dca



CLUR 6
CUD/500

Ek ROLLER

REFERENCE		CLUR 6 CUD/500
Code		390026
Construction	Screening	U/UTP
	Conductor material	BC, copper
	Diameter	24 AWG (0.51±0.01mm)
	Insulation material	HDPE
	Nominal thickness	0.21mm
	Diameter	0.93±0.05mm
	Outside cover material	LSZH
	Outside diameter	5.8±0.10mm
	Color	White RAL9010
	Cross-pair separator	Yes
Electrical characteristics	Rip cord	Yes
	Frequency range	1-250MHz
	Impedance	93.8Ω/Km
	Mutual capacitance	≤56nF/Km
	Maximum unbalanced capacity	≤330pF/100m
	Maximum unbalanced DC resistance	≤5%
General	Sheath insulation voltage (DC, 1min.)	1kV
	Minimum bend radius	65mm
	Storage Temp Range	-15°C ~ 75°C
	Temp range installation	-15°C ~ 75°C
	Work temperature	0°C ~ 60°C
	Maximum pulling force	25lbs
Packaging	CPR	Dca
Weight		Wooden spool 500m compatible with Ek ROLLER
Color code	Kg	11,5 / 9.7
	Pair1	Blue – white/blue
	Pair2	Orange – white/orange
	Pair3	Green – White/green
	Pair4	Brown – white/brown

Frequency (MHZ)	Att. Max. (dB/100m)	NEXT (dB)	RL (dB)	PS-NEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1	3.0	65.0	19.1	62.0	64.2	61.2
4	3.5	64.1	21.0	61.8	52.1	49.1
8	5.0	59.4	21.0	57.0	46.1	43.1
10	5.5	57.8	21.0	55.5	44.2	41.2
16	7.0	54.6	20.0	52.2	40.1	37.1
20	7.9	53.1	19.5	50.7	38.2	35.2
25	8.9	51.5	19.0	49.1	36.2	33.2
31.25	10.0	50.0	18.5	47.5	34.3	31.3
62.5	14.4	45.1	16.0	42.7	28.3	25.3
100	18.6	41.8	14.0	39.3	24.2	21.2
200	27.4	36.9	11.0	34.3	18.2	15.2
250	31.1	35.3	10.0	32.7	16.2	13.2

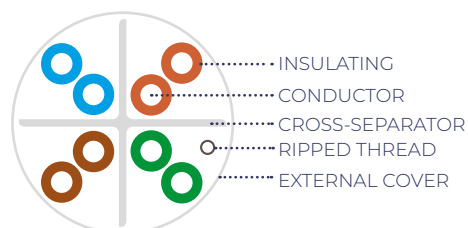
LAN CABLE CAT6

EK ROLLER

CLUR 6 CU-E

- ✓ 4 twisted pairs with cross
- ✓ Black PE for outdoor use
- ✓ 305m Coil
- ✓ Compatible with EK ROLLER

CPR
Dca



CLUR 6 CU-E

Ek ROLLER

REFERENCE		CLUR 6 CU-E
Code		390019
Construction	Screening	U/UTP
	Conductor material	BC, copper
	Diameter	24 AWG (0.51±0.01mm)
	Insulation material	HDPE
	Nominal thickness	0.21mm
	Diameter	0.93±0.05mm
	Outside cover material	PE
	Outside diameter	5.6±0.5mm
	Color	Black
	Cross-pair separator	Yes
Electrical characteristics	Rip cord	Yes
	Frequency range	1-250MHz
	Impedance	93.8Ω/Km
	Mutual capacitance	≤56nF/Km
	Maximum unbalanced capacity	≤330pF/100m
	Maximum unbalanced DC resistance	≤5%
General	Sheath insulation voltage (DC, 1min.)	1kV
	Minimum bend radius	65mm
	Storage Temp Range	-15°C ~ 75°C
	Temp range installation	-15°C ~ 75°C
	Work temperature	0°C ~ 60°C
	Maximum pulling force	25lbs
Packaging	CPR	Dca
Weight		Wooden spool 305m compatible with Ek ROLLER
Color code	Pair1	Blue – white/blue
	Pair2	Orange – white/orange
	Pair3	Green – White/green
	Pair4	Brown – white/brown

Frequency (MHZ)	Att. Max. (dB/100m)	NEXT (dB)	RL (dB)	PS-NEXT (dB)	ELFEXT (dB)	PSSELFEXT (dB)
1	3.0	65.0	19.1	62.0	64.2	61.2
4	3.5	64.1	21.0	61.8	52.1	49.1
8	5.0	59.4	21.0	57.0	46.1	43.1
10	5.5	57.8	21.0	55.5	44.2	41.2
16	7.0	54.6	20.0	52.2	40.1	37.1
20	7.9	53.1	19.5	50.7	38.2	35.2
25	8.9	51.5	19.0	49.1	36.2	33.2
31.25	10.0	50.0	18.5	47.5	34.3	31.3
62.5	14.4	45.1	16.0	42.7	28.3	25.3
100	18.6	41.8	14.0	39.3	24.2	21.2
200	27.4	36.9	11.0	34.3	18.2	15.2
250	31.1	35.3	10.0	32.7	16.2	13.2

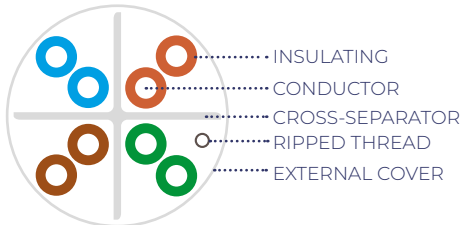
LAN CABLE CAT6

EK ROLLER

CLUR 6 CUB

- ✓ 4 twisted pairs with cross
- ✓ CPR B2ca s1 d2 a1LSZH
- ✓ 305m Coil
- ✓ Compatible with EK ROLLER

CPR
Dca



CLUR 6 CUB

Ek ROLLER

REFERENCE		CLUR 6 CUB
Code		390022
Construction	Screening	U/UTP
	Conductor material	BC, cobre
	Diameter	23 AWG (0.56±0.02mm)
	Insulation material	HDPE
	Nominal thickness	0.21mm
	Diameter	1.0±0.05mm
	Outside cover material	LSZH
	Outside diameter	6.3±0.5mm
	Color	White RAL9010
	Cross-pair separator	Si
Electrical characteristics	Rip cord	Si
	Frequency range	1-500MHz
	Impedance	93.8Q/Km
	Mutual capacitance	≤56nF/Km
	Maximum unbalanced capacity	≤330pF/100m
	Maximum unbalanced DC resistance	≤5%
General	Sheath insulation voltage (DC, 1min.)	1KV
	Minimum bend radius	65mm
	Storage Temp Range	-15°C ~ 75°C
	Temp range installation	-15°C ~ 75°C
	Work temperature	0°C ~ 60°C
	Maximum pulling force	25lbs
Packaging	CPR	B2ca s1 d2 a1
Weight	Kg	11,5 / 9.7
Color code	Pair1	Blue – white/blue
	Pair2	Orange – white/orange
	Pair3	Green – White/green
	Pair4	Brown – white/brown

Frequency (MHZ)	Att. Max. (dB/100m)	NEXT (dB)	RL (dB)	PS-NEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1	3.0	65.0	19.1	62.0	64.2	61.2
4	3.5	64.1	21.0	61.8	52.1	49.1
8	5.0	59.4	21.0	57.0	46.1	43.1
10	5.5	57.8	21.0	55.5	44.2	41.2
16	7.0	54.6	20.0	52.2	40.1	37.1
20	7.8	53.1	19.5	50.7	38.2	35.2
25	8.8	51.5	19.0	49.1	36.2	33.2
31.25	9.8	50.0	18.5	47.5	34.3	31.3
62.5	14.0	45.1	16.0	42.7	28.3	25.3
100	18.0	41.8	14.0	39.3	24.2	21.2
200	26.1	36.9	11.0	34.3	18.2	15.2
250	29.5	35.3	10.0	32.7	16.2	13.2
350	35.6	31.8	8.6	29.1	13.3	10.3
500	43.8	26.7	8.0	23.8	10.2	7.2

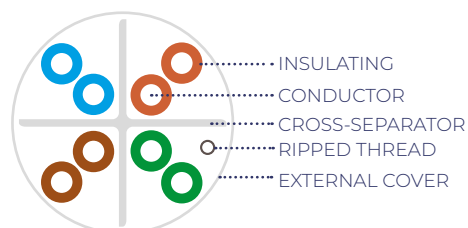
LAN CABLE CAT6

EK ROLLER

CLUR 6 CCA

- ✓ 4 twisted pairs with cross
- ✓ CPR Eca
- ✓ 305m Coil
- ✓ Compatible with EK ROLLER

CPR
Eca



CLUR 6 CCA

Ek ROLLER

REFERENCE		CLUR 6 CCA
Code		390017
Construction	Screening	U/UTP
	Conductor material	CCA
	Diameter	23 AWG (0.57±0.005mm)
	Insulation material	HDPE
	Nominal thickness	0.21mm
	Diameter	0.93±0.05mm
	Outside cover material	PVC-FR
	Outside diameter	6,10±0.3mm
	Color	White RAL9010
	Cross-pair separator	Yes
Electrical characteristics	Rip cord	Yes
	Frequency range	1-250MHz
	Impedance	100±15Ω
	Mutual capacitance	≤56nF/Km
	Maximum unbalanced capacity	≤330pF/100m
	Maximum unbalanced DC resistance	≤9,5Ω/100m
General	Sheath insulation voltage (DC, 1min.)	1kV
	Minimum bend radius	30mm
	Storage Temp Range	-20°C ~ 80°C
	Temp range installation	-20°C ~ 80°C
	Work temperature	-20°C ~ 80°C
	Maximum pulling force	100N
Packaging	CPR	Eca
		Wooden spool 305m compatible with Ek ROLLER
Weight	Kg	11,5 / 9,7
Color code	Pair1	Blue - white/blue
	Pair2	Orange - white/orange
	Pair3	Green - White/green
	Pair4	Brown - white/brown

Frequency (MHZ)	Att. Max. (dB/100m)	NEXT (dB)	RL (dB)	PS-NEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1	2.0	74.3	20.0	72.3	67.8	64.8
4	3.8	65.3	23.0	63.3	55.8	52.8
8	5.3	60.8	24.5	58.8	49.7	46.7
10	6.0	59.3	25.0	57.3	47.8	44.8
16	7.6	56.2	25.0	54.2	43.7	40.7
20	8.5	54.8	25.0	52.8	41.8	38.8
25	9.5	53.3	24.3	51.3	39.8	36.8
31.25	10.7	51.9	23.6	49.9	37.9	34.9
62.5	15.4	47.4	21.5	45.4	31.9	28.9
100	19.8	44.3	20.1	42.3	27.8	24.8
200	29.0	39.8	18.0	37.8	21.8	18.8
250	32.8	38.3	17.3	36.3	19.8	16.8

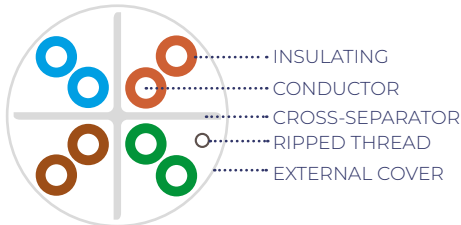
LAN CABLE CAT6

EK ROLLER

CLUR 6 CCA-100

- ✓ 4 twisted pairs with cross
- ✓ CPR Eca
- ✓ 305m Coil
- ✓ Compatible with EK ROLLER

CPR
Dca



CLUR 6
CCA-100

Ek ROLLER

REFERENCE		CLUR 6 CCA-100
Code		390016
Construction	Screening	U/UTP
	Conductor material	CCA
	Diameter	23 AWG (0.57±0.005mm)
	Insulation material	HDPE
	Nominal thickness	0.21mm
	Diameter	0.93±0.05mm
	Outside cover material	PVC-FR
	Outside diameter	6,10±0.3mm
	Color	White RAL9010
Electrical characteristics	Cross-pair separator	Yes
	Rip cord	Yes
	Frequency range	1-250MHz
	Impedance	100±15Ω
	Mutual capacitance	≤56nF/Km
	Maximum unbalanced capacity	≤330pF/100m
	Maximum unbalanced DC resistance	≤9,5Ω/100m
	Sheath insulation voltage (DC, 1min.)	1kV
General	Minimum bend radius	30mm
	Storage Temp Range	-20°C ~ 80°C
	Temp range installation	-20°C ~ 80°C
	Work temperature	-20°C ~ 80°C
	Maximum pulling force	100N
	CPR	Eca
Packaging		Carton spool 100m compatible with Ek ROLLER
Weight	Kg	11,5 / 9,7
Color code	Pair1	Blue – white/blue
	Pair2	Orange – white/orange
	Pair3	Green – White/green
	Pair4	Brown – white/brown

Frequency (MHZ)	Att. Max. (dB/100m)	NEXT (dB)	RL (dB)	PS-NEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1	2.0	74.3	20.0	72.3	67.8	64.8
4	3.8	65.3	23.0	63.3	55.8	52.8
8	5.3	60.8	24.5	58.8	49.7	46.7
10	6.0	59.3	25.0	57.3	47.8	44.8
16	7.6	56.2	25.0	54.2	43.7	40.7
20	8.5	54.8	25.0	52.8	41.8	38.8
25	9.5	53.3	24.3	51.3	39.8	36.8
31.25	10.7	51.9	23.6	49.9	37.9	34.9
62.5	15.4	47.4	21.5	45.4	31.9	28.9
100	19.8	44.3	20.1	42.3	27.8	24.8
200	29.0	39.8	18.0	37.8	21.8	18.8
250	32.8	38.3	17.3	36.3	19.8	16.8

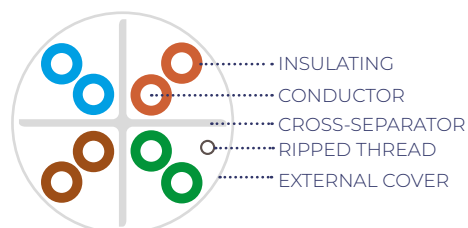
LAN CABLE CAT6A

EK ROLLER

CLUR 6A CUD

- ✓ 4 twisted pairs with cross
- ✓ CPR B2ca s1 d2 a1LSZH
- ✓ 305m Coil
- ✓ Compatible with EK ROLLER

CPR
Dca



CLUR 6A CUD

Ek ROLLER

REFERENCE		CLUR 6A CUD
Code		390023
Construction	Screening	U/UTP
	Conductor material	BC, cobre
	Diameter	23 AWG (0.56±0.02mm)
	Insulation material	HDPE
	Nominal thickness	0.7mm
	Diameter	1.0±0.05mm
	Outside cover material	LSZH
	Outside diameter	7.2±0.3mm
	Color	White RAL9010
	Cross-pair separator	Si
Electrical characteristics	Rip cord	Si
	Frequency range	1-500MHz
	Impedance	100±15Ω
	Mutual capacitance	≤56nF/Km
	Maximum unbalanced capacity	≤330pF/100m
	Maximum unbalanced DC resistance	≤5%
General	Sheath insulation voltage (DC, 1min.)	1kV
	Minimum bend radius	8 x O.D. mm
	Storage Temp Range	-15°C ~ 75°C
	Temp range installation	-15°C ~ 75°C
	Work temperature	0°C ~ 60°C
	Maximum pulling force	25lbs
Packaging	CPR	Dca
		Wooden spool 305m compatible with Ek ROLLER
Weight	Kg	11,5 / 9,7
Color code	Pair1	Blue - white/blue
	Pair2	Orange - white/orange
	Pair3	Green - White/green
	Pair4	Brown - white/brown

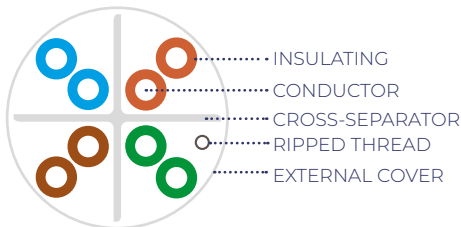
Frequency (MHZ)	Att. Máx. (dB/100m)	NEXT (dB)	RL (dB)	PS-NEXT (dB)
1	2,1	74,3	20	72,3
4	3,8	65,3	23	63,3
10	5,9	59,3	25	57,3
16	7,5	56,2	25	54,2
20	8,4	54,8	25	52,8
31.25	10,5	51,9	23,6	49,9
62.5	15	47,7	21,5	45,4
100	19,1	44,3	20,1	42,3
200	27,6	39,8	18	37,8
250	31,1	38,3	17,3	36,3
300	34,3	27,1	16,8	35,1
500	45,3	33,8	15,2	31,8

LAN CABLE CAT6A

EK ROLLER

CLUR 6 AB

- ✓ 4 twisted pairs with cross
- ✓ CPR B2ca s1 d2 a1LSZH
- ✓ 305m Coil
- ✓ Compatible with EK ROLLER



CLUR 6 AB

Ek ROLLER

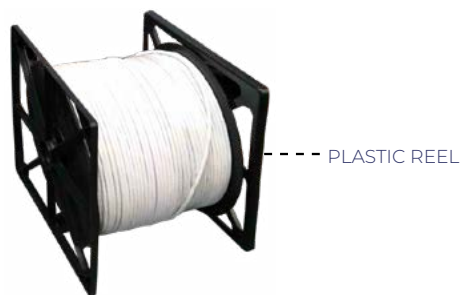
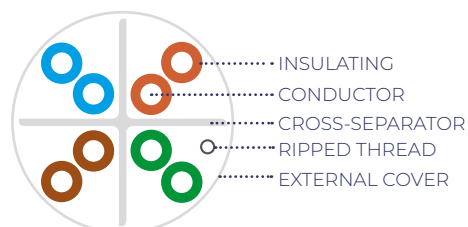
REFERENCE		CLUR 6 AB
Code		390024
Construction	Screening	U/UTP
	Conductor material	BC, Copper
	Diameter	23 AWG (0.56±0.02mm)
	Insulation material	HDPE
	Nominal thickness	0.7mm
	Diameter	1.0±0.05mm
	Outside cover material	LSZH
	Outside diameter	7,2±0.3mm
	Color	White RAL9010
	Cross-pair separator	Yes
Electrical characteristics	Rip cord	Yes
	Frequency range	1-500MHz
	Impedance	100±15Ω
	Mutual capacitance	≤56nF/km
	Maximum unbalanced capacity	≤330pF/100m
	Maximum unbalanced DC resistance	≤5%
General	Sheath insulation voltage (DC, 1min.)	1kV
	Minimum bend radius	8 x O.D. mm
	Storage Temp Range	-15°C ~ 75°C
	Temp range installation	-15°C ~ 75°C
	Work temperature	0°C ~ 60°C
	Maximum pulling force	25lbs
Packaging		Wooden spool 305m compatible with Ek ROLLER
Weight	Kg	11,5 / 9,7
Color code	Pair1	Blue – white/blue
	Pair2	Orange – white/orange
	Pair3	Green – White/green
	Pair4	Brown – white/brown

Frequency (MHZ)	Att. Max. (dB/100m)	NEXT (dB)	RL (dB)	PS-NEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1	3.0	65.0	19.1	62.0	64.2	61.2
4	3.5	64.1	21.0	61.8	52.1	49.1
8	5.0	59.4	21.0	57.0	46.1	43.1
10	5.5	57.8	21.0	55.5	44.2	41.2
16	7.0	54.6	20.0	52.2	40.1	37.1
20	7.8	53.1	19.5	50.7	38.2	35.2
25	8.8	51.5	19.0	49.1	36.2	33.2
31.25	9.8	50.0	18.5	47.5	34.3	31.3
62.5	14.0	45.1	16.0	42.7	28.3	25.3
100	18.0	41.8	14.0	39.3	24.2	21.2
200	26.1	36.9	11.0	34.3	18.2	15.2
250	29.5	35.3	10.0	32.7	16.2	13.2
350	35.6	31.8	8.6	29.1	13.3	10.3
500	43.8	26.7	8.0	23.8	10.2	7.2

CLU 6 CUD

- ✓ 4 twisted pairs with cross
- ✓ Plastic spool for easy pulling
- ✓ CPR Dca LSZH

**CPR
Dca**



CLU 6 CUD

Referencia	CLU 6 CUD	
Código		390010
Construcción	Apantallamiento	U/UTP
	Material del conductor	BC, cobre
	Diámetro del conductor	24 AWG (0.51±0.01mm)
	Material aislamiento	HDPE
	Grosor nominal	0.21mm
	Diámetro	0.93±0.05mm
	Material cubierta exterior	LSZH
	Diámetro exterior	5.8±0.10mm
	Color	Blanco RAL9010
	Cruceta	Si
Características eléctricas	Hilo de rasgado	Si
	Rango de frecuencias	1-250MHz
	Impedancia	93.8Ω/Km
	Capacidad nominal mutua	≤56nF/Km
	Capacidad máxima no balanceada	≤330pF/100m
	Resistencia máxima DC no balanceada	≤5%
General	Tensión aislamiento funda (CC, 1min.)	1KV
	Radio de curvatura mínimo	65mm
	Rango Temp. almacenamiento	-15°C ~ 75°C
	Rango Temp. instalación	-15°C ~ 75°C
	Temperatura de trabajo	0°C ~ 60°C
	Máxima fuerza de tracción	25lbs
CPR		Dca s2 d2 a2
Embalaje		Carrete en caja de 305m
Peso	Kg	11,5 / 9.7
Código de colores	Par1	Azul - blanco/azul
	Par2	Naranja - blanco/naranja
	Par3	Verde - blanco/verde
	Par4	Marrón - blanco/marrón

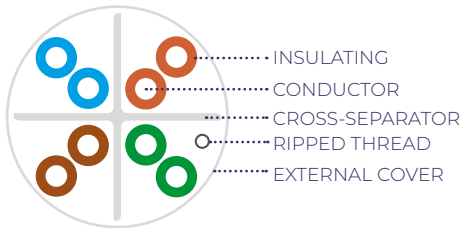
Frecuencia (MHZ)	Att. Máx. (dB/100m)	NEXT (dB)	RL (dB)	PS-NEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1	3.0	65.0	19.1	62.0	64.2	61.2
4	3.5	64.1	21.0	61.8	52.1	49.1
8	5.0	59.4	21.0	57.0	46.1	43.1
10	5.5	57.8	21.0	55.5	44.2	41.2
16	7.0	54.6	20.0	52.2	40.1	37.1
20	7.9	53.1	19.5	50.7	38.2	35.2
25	8.9	51.5	19.0	49.1	36.2	33.2
31.25	10.0	50.0	18.5	47.5	34.3	31.3
62.5	14.4	45.1	16.0	42.7	28.3	25.3
100	18.6	41.8	14.0	39.3	24.2	21.2
200	27.4	36.9	11.0	34.3	18.2	15.2
250	31.1	35.3	10.0	32.7	16.2	13.2

LAN CABLE

CLU 6 CU-QB

- ✓ Cat6 cable, 4 pairs of copper with central cross and LSZH jacket
- ✓ Quick-Box (QB) designed to pull cable, tangle-free, twist-free for an easy installation
- ✓ CPR Dca s2 d2 a2
- ✓ Suitable for IP connections and applications

CPR
Dca



**QUICK
BOX**



CLU 6 CU-QB

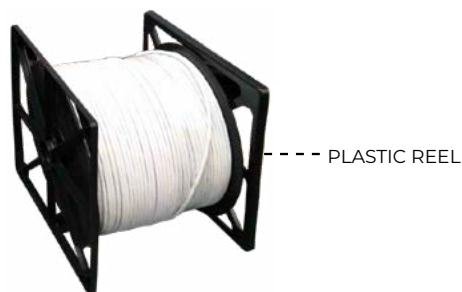
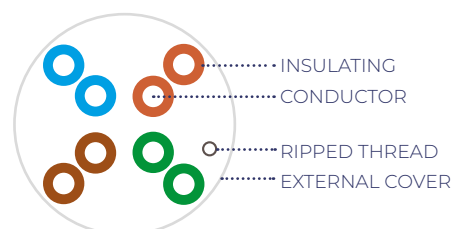
Reference		CLU 6 CU-QB
Code		390025
Construction	Screening	U/UTP
	Conductor material	BC, Copper
	Diameter	24 AWG (0.51±0.01mm)
	Insulation material	HDPE
	Nominal thickness	0.21mm
	Diameter	0.93±0.05mm
	Outside cover material	LSZH
	Outside diameter	5.8±0.10mm
	Color	White RAL9010
	Cross-pair separator	Yes
Electrical characteristics	Rip cord	Yes
	Frequency range	1-250MHz
	Impedance	93.8Ω/Km
	Mutual capacitance	≤56nF/Km
	Maximum unbalanced capacity	≤330pF/100m
	Maximum unbalanced DC resistance	≤5%
General	Sheath insulation voltage (DC, 1min.)	1KV
	Minimum bend radius	65mm
	Storage Temp Range	-15°C ~ 75°C
	Temp range installation	-15°C ~ 75°C
	Work temperature	0°C ~ 60°C
	Maximum pulling force	25lbs
Packaging	CPR	Dca s2 d2 a2
Weight		Reel in box of 305m
Color code	Pair1	Blue – white/blue
	Pair2	Orange – white/orange
	Pair3	Green – White/green
	Pair4	Brown – white/brown

Frequency (MHZ)	Att. Max. (dB/100m)	NEXT (dB)	RL (dB)	PS-NEXT (dB)	ELFEXT (dB)	PSSELFEXT (dB)
1	3.0	65.0	19.1	62.0	64.2	61.2
4	3.5	64.1	21.0	61.8	52.1	49.1
8	5.0	59.4	21.0	57.0	46.1	43.1
10	5.5	57.8	21.0	55.5	44.2	41.2
16	7.0	54.6	20.0	52.2	40.1	37.1
20	7.9	53.1	19.5	50.7	38.2	35.2
25	8.9	51.5	19.0	49.1	36.2	33.2
31.25	10.0	50.0	18.5	47.5	34.3	31.3
62.5	14.4	45.1	16.0	42.7	28.3	25.3
100	18.6	41.8	14.0	39.3	24.2	21.2
200	27.4	36.9	11.0	34.3	18.2	15.2
250	31.1	35.3	10.0	32.7	16.2	13.2

CLU 6 A

- ✓ 4 twisted pairs with cross
- ✓ Plastic spool for easy pulling
- ✓ 23 AWG
- ✓ Jacket LSZH
- ✓ CPR Eca

CPR
Dca



Reference		CLU6A
Code		390003
Construction	Screening	U/UTP
	Conductor material	BC, copper
	Diameter	23 AWG (0.56±0.02mm)
	Insulation material	HDPE
	Nominal thickness	0.21mm
	Diameter	1.0±0.05mm
	Outside cover material	LSZH
	Outside diameter	6.95±0.5mm
	Color	White RAL9010
	Cross-pair separator	Yes
Electrical characteristics	Rip cord	Yes
	Frequency range	1-500MHz
	Impedance	93.8Ω/Km
	Mutual capacitance	≤56nF/Km
	Maximum unbalanced capacity	≤330pF/100m
	Maximum unbalanced DC resistance	≤5%
General	Sheath insulation voltage (DC, 1min.)	1KV
	Minimum bend radius	65mm
	Storage Temp Range	-15°C ~ 75°C
	Temp range installation	-15°C ~ 75°C
	Work temperature	0°C ~ 60°C
	Maximum pulling force	25lbs
Packaging	CPR	Eca
Weight	Reel in box of 305m	
Color code	Pair1	Blue – white/blue
	Pair2	Orange – white/orange
	Pair3	Green – White/green
	Pair4	Brown – white/brown

Frequency (MHZ)	Att. Max. (dB/100m)	NEXT (dB)	RL (dB)	PS-NEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1	3.0	65.0	19.1	62.0	64.2	61.2
4	3.5	64.1	21.0	61.8	52.1	49.1
8	5.0	59.4	21.0	57.0	46.1	43.1
10	5.5	57.8	21.0	55.5	44.2	41.2
16	7.0	54.6	20.0	52.2	40.1	37.1
20	7.8	53.1	19.5	50.7	38.2	35.2
25	8.8	51.5	19.0	49.1	36.2	33.2
31.25	9.8	50.0	18.5	47.5	34.3	31.3
62.5	14.0	45.1	16.0	42.7	28.3	25.3
100	18.0	41.8	14.0	39.3	24.2	21.2
200	26.1	36.9	11.0	34.3	18.2	15.2
250	29.5	35.3	10.0	32.7	16.2	13.2
350	35.6	31.8	8.6	29.1	13.3	10.3
500	43.8	26.7	8.0	23.8	10.2	7.2

TECHNICAL CERTIFICATION TEST

**Cable ID: UTP CAT6 CLU 6 CCA**

Date / Time: 05/20/2019 08:45:32 AM
 Headroom 2.2dB (NEXT 45-78)
 Test Limit: TIA Cat 6 Perm. Link Cable
 Type: Cat 6 U/UTP
 NVP: 69.0%

Software Version: V5.1 Build 4
 Limits Version: V8.1
 Calibration Start Date:

Test Summary: PASS

Model: DSX-5000
 Main S/N: 2405257
 Remote S/N: 2420489
 Main Adapter: DSX-PLA004
 Remote Adapter: DSX-PLA004

Length (ft), Limit 285	[Pair 12]	230
Prop. Delay (ns), Limit 488	[Pair 45]	344
Delay Skew (ns), Limit 44	[Pair 45]	5
Resistance (ohms)	[Pair 12]	34.7

Insertion Loss Margin (dB)	[Pair 36]	2.3
Frequency (MHz)	[Pair 36]	100
Limit (dB)	[Pair 36]	24

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	6.4	6.1	6.6	6.7
Freq. (MHz)	178.0	17.5	214.5	248.0
Limit (dB)	37.8	54.0	36.4	35.4
Worst Pair	78	36	78	36
PS NEXT (dB)	7.5	7.8	7.8	8.4
Freq. (MHz)	44.3	132.0	214.5	248.0
Limit (dB)	45.1	37.3	33.8	32.8

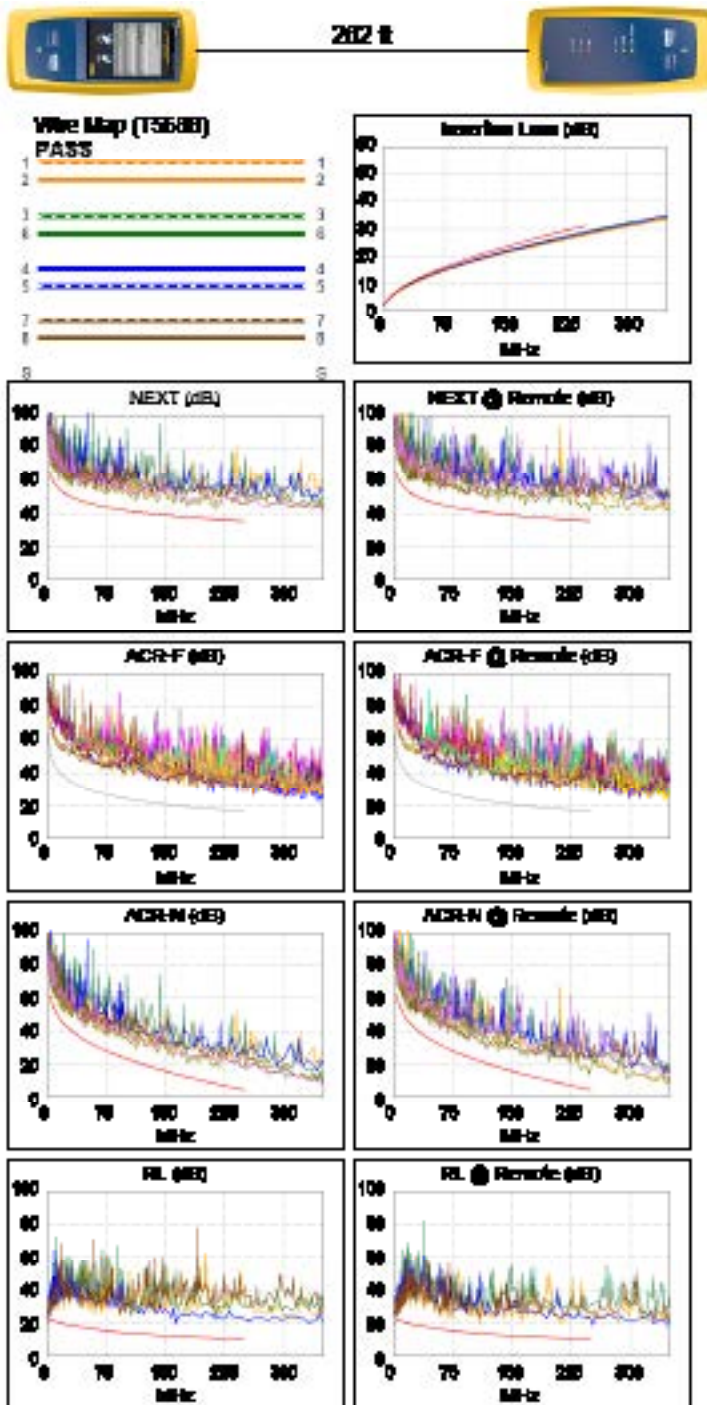
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	78-12	12-78	78-12
ACR-F (dB)	11.7	12.1	12.9	13.2
Freq. (MHz)	211.5	211.5	241.5	241.5
Limit (dB)	17.7	17.7	18.5	18.5
Worst Pair	78	36	78	36
PS ACR-F (dB)	12.9	13.7	12.9	13.7
Freq. (MHz)	211.5	226.0	211.5	226.0
Limit (dB)	14.7	14.1	14.7	14.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
ACR-N (dB)	7.7	6.8	9.2	9.8
Freq. (MHz)	4.8	17.5	214.5	248.0
Limit (dB)	58.1	46.6	8.0	4.4
Worst Pair	78	78	78	36
PS ACR-N (dB)	8.3	8.4	12.8	10.8
Freq. (MHz)	44.3	17.5	243.5	248.0
Limit (dB)	33.1	44.2	2.3	1.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	12	12	45	12
RL (dB)	5.0	4.4	8.0	8.3
Freq. (MHz)	3.9	3.9	163.5	213.0
Limit (dB)	21.0	21.0	11.9	10.7

Compliant Network Standards:

10GBASE-T	10GBASE-TX	10GBASE-T4
10GBASE-T	ATM-25	ATM-51
ATM-155	100MB-AvgLen	TR-4
TR-16 Active	TR-16 Passive	



**Cable ID: UTP CAT6 CLU6CU**

Date / Time: 05/20/2019 08:45:32 AM

Headroom 6.1 dB (NEXT 36-78)**Test Limit: TIA Cat 6 Perm. Link**

Cable Type: Cat 6 U/UTP

NVP: 69.0%

Software Version: V5.1 Build 4

Limits Version: V6.1

Calibration Start Date:

Test Summary: PASS

Model: DSX-5000

Main S/N: 2405257

Remote S/N: 2420489

Main Adapter: DSX-PLA004

Remote Adapter: DSX-PLA004

Length (ft), Limit 295	[Pair 12]	262
Prop. Delay (ns), Limit 498	[Pair 45]	431
Delay Skew (ns), Limit 44	[Pair 45]	21
Resistance (ohms)	[Pair 12]	15.67

Insertion Loss Margin (dB)	[Pair 36]	3.9
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	6.4	6.1	6.6	6.7
Freq. (MHz)	178.0	17.5	214.5	248.0
Limit (dB)	37.8	54.0	36.4	35.4
Worst Pair	78	36	78	36
PS NEXT (dB)	7.5	7.8	7.8	8.4
Freq. (MHz)	44.3	132.0	214.5	248.0
Limit (dB)	45.1	37.3	33.8	32.8

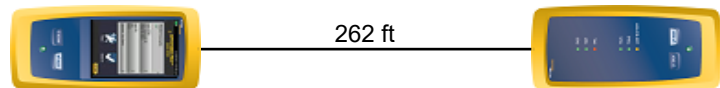
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	78-12	12-78	78-12
ACR-F (dB)	11.7	12.1	12.9	13.2
Freq. (MHz)	211.5	211.5	241.5	241.5
Limit (dB)	17.7	17.7	16.5	16.5
Worst Pair	78	36	78	36
PS ACR-F (dB)	12.9	13.7	12.9	13.7
Freq. (MHz)	211.5	226.0	211.5	226.0
Limit (dB)	14.7	14.1	14.7	14.1

N/A	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78	36-78	36-78
ACR-N (dB)	7.7	6.6	9.2	9.8
Freq. (MHz)	4.8	17.5	214.5	248.0
Limit (dB)	59.1	46.6	8.0	4.4
Worst Pair	78	78	78	36
PS ACR-N (dB)	8.3	8.4	12.8	10.8
Freq. (MHz)	44.3	17.5	243.5	248.0
Limit (dB)	33.1	44.2	2.3	1.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	12	12	45	12
RL (dB)	5.0	4.4	8.0	8.3
Freq. (MHz)	3.9	3.9	163.5	213.0
Limit (dB)	21.0	21.0	11.9	10.7

Compliant Network Standards:

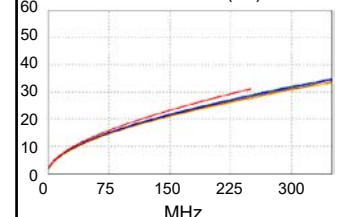
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	



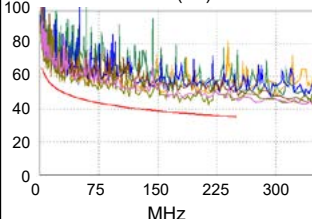
Wire Map (T568B)

PASS

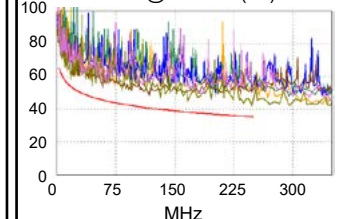
Insertion Loss (dB)



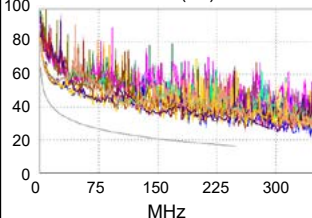
NEXT (dB)



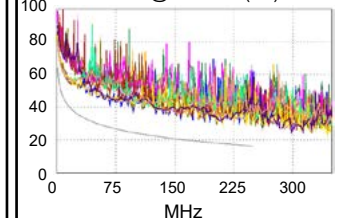
NEXT @ Remote (dB)



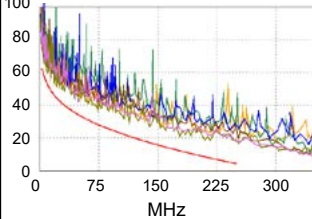
ACR-F (dB)



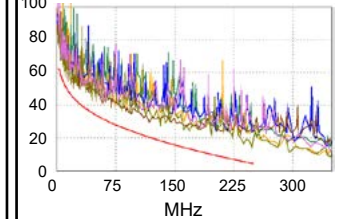
ACR-F @ Remote (dB)



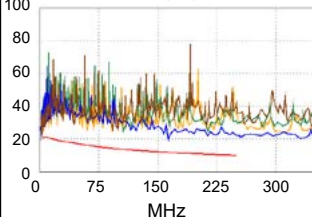
ACR-N (dB)



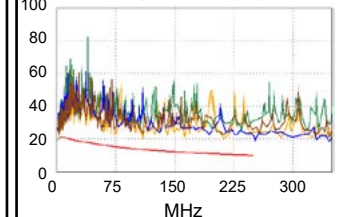
ACR-N @ Remote (dB)



RL (dB)



RL @ Remote (dB)



**Cable ID: CLU 6 CU-E**

Date / Time: 06/21/2019 09:35:02 AM
 Headroom 6.1 dB (NEXT 36-45)
 Test Limit: TIA Cat 6 Perm. Link
 Cable Type: Cat 6 U/UTP
 NVP: 69.0%

Software Version: V6.0 Build 6
 Limits Version: V7.0

Test Summary: PASS

Model: DSX-5000
 Main S/N: 2405257
 Remote S/N: 2420489
 Main Adapter: DSX-PLA004
 Remote Adapter: DSX-PLA004

Length (ft), Limit 285	[Pair 7B]	287
Prop. Delay (ns), Limit 498	[Pair 45]	459
Delay Skew (ns), Limit 44	[Pair 45]	21
Resistance (ohms)	[Pair 7B]	14.49

Insertion Loss Margin (dB)	[Pair 36]	1.0
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	31.1

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-7B	36-7B	12-36
NEXT (dB)	8.1	7.5	7.0	8.7
Freq. (MHz)	35.5	161.0	219.0	250.0
Limit (dB)	49.1	35.5	38.3	35.3
Worst Pair	36	36	36	36
PS NEXT (dB)	8.2	7.7	8.2	8.7
Freq. (MHz)	219.0	178.5	219.0	250.0
Limit (dB)	33.7	35.1	33.7	32.7

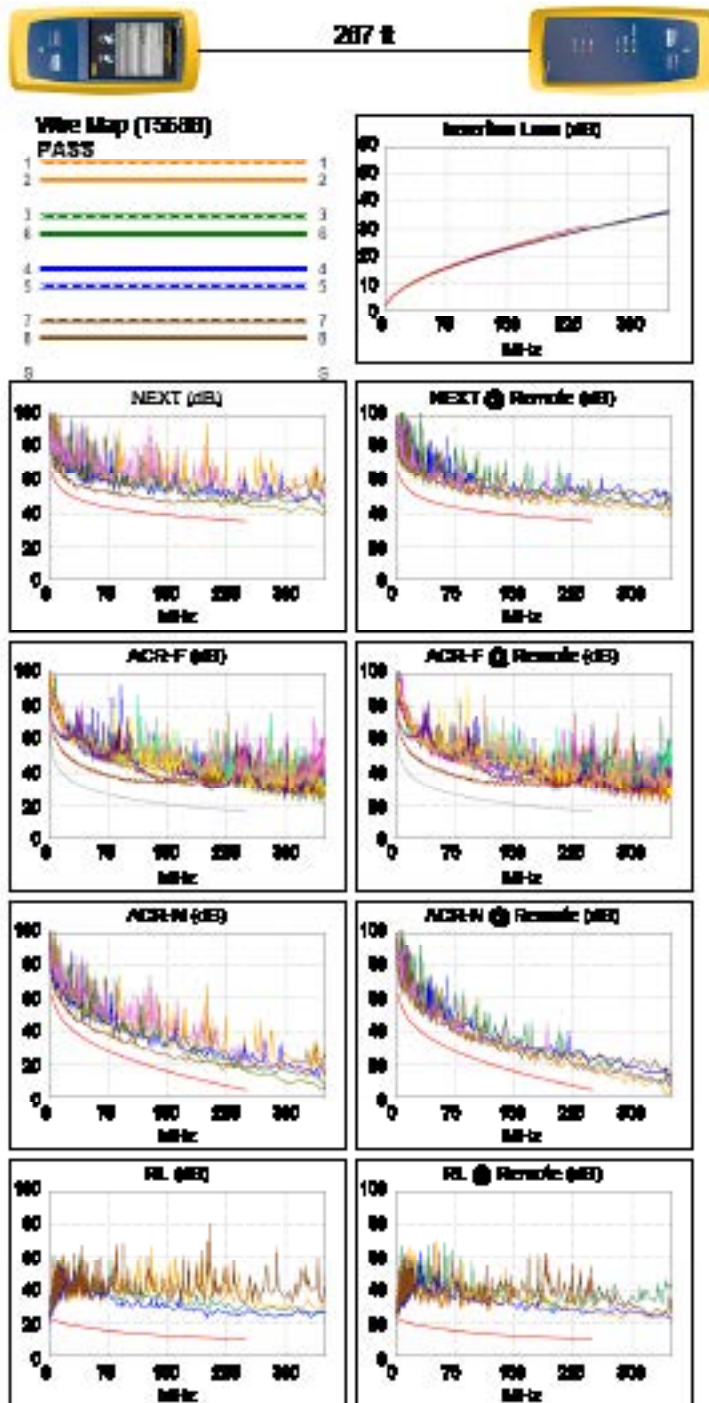
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	45-36	12-7B	7B-12
ACR-F (dB)	10.3	10.1	13.7	13.5
Freq. (MHz)	114.5	114.0	250.0	250.0
Limit (dB)	23.0	23.1	18.2	18.2
Worst Pair	36	36	36	36
PS ACR-F (dB)	12.1	11.3	14.0	13.5
Freq. (MHz)	118.0	139.0	214.5	202.0
Limit (dB)	19.8	18.3	14.6	15.1

PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36	36-7B	12-36
ACR-N (dB)	8.4	8.3	10.0	9.7
Freq. (MHz)	35.5	143.5	248.5	250.0
Limit (dB)	38.4	16.6	4.4	4.2
Worst Pair	36	36	36	36
PS ACR-N (dB)	8.5	8.2	10.9	9.7
Freq. (MHz)	23.0	89.8	249.0	250.0
Limit (dB)	41.2	22.6	1.7	1.6

PASS	MAIN	SR	MAIN	SR
Worst Pair	12	45	45	45
RL (dB)	5.5	6.9	12.5	14.9
Freq. (MHz)	3.8	3.4	198.5	247.0
Limit (dB)	21.0	21.0	11.0	10.1

Compliant Network Standards:

10GBASE-T	10GBASE-TX	10GBASE-T4
10GBASE-T	ATM-25	ATM-51
ATM-155	100MB-AvgLen	TR-4
TR-16 Active	TR-16 Passive	



CLUR 6A

**Cable ID: CLU 6A**

Date / Time: 06/21/2019 10:11:59 AM
 Headroom 3.2 dB (NEXT 12-36)
 Test Limit: TIA Cat 6A Perm. Link
 Cable Type: Cat 6A U/UTP
 NVP: 69.0%

Software Version: V6.0 Build 6
 Limits Version: V7.0

Test Summary: PASS

Model: DSX-5000
 Main S/N: 2405257
 Remote S/N: 2420489
 Main Adapter: DSX-PLA004
 Remote Adapter: DSX-PLA004

Length (ft), Limit 285	[Pair 78]	288
Prop. Delay (ns), Limit 498	[Pair 45]	421
Delay Skew (ns), Limit 44	[Pair 45]	15
Resistance (ohms)	[Pair 78]	14.87

Insertion Loss Margin (dB)	[Pair 38]	2.0
Frequency (MHz)	[Pair 38]	489.0
Limit (dB)	[Pair 38]	43.7

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-38	12-38	12-38	45-78
NEXT (dB)	3.2	4.5	3.2	8.1
Freq. (MHz)	314.0	313.0	314.0	478.0
Limit (dB)	33.3	33.4	33.3	27.4
Worst Pair	38	38	38	38
PS NEXT (dB)	4.5	5.8	9.2	8.8
Freq. (MHz)	314.0	313.0	452.0	482.0
Limit (dB)	30.7	30.8	25.3	24.0

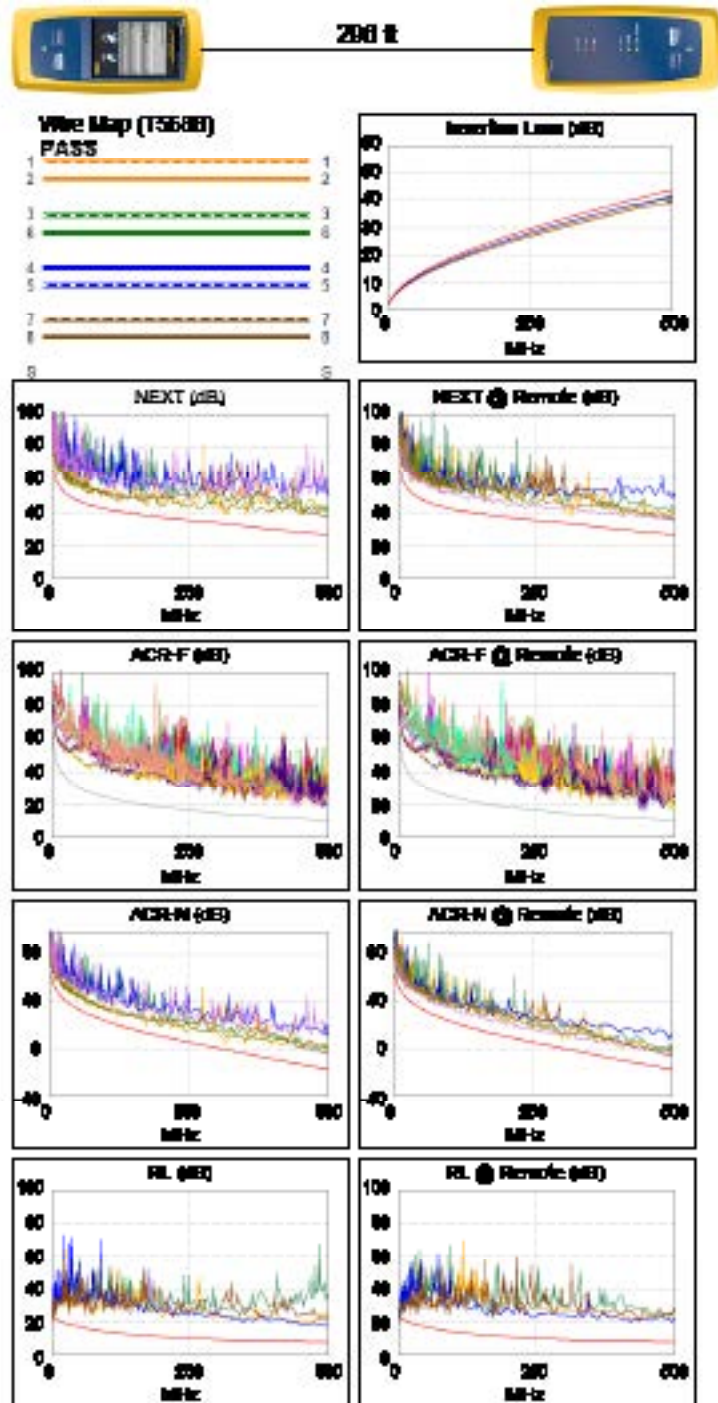
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	78-12	12-78	78-12
ACR-F (dB)	8.3	8.5	8.3	8.5
Freq. (MHz)	481.0	481.0	481.0	481.0
Limit (dB)	10.4	10.4	10.4	10.4
Worst Pair	78	12	78	12
PS ACR-F (dB)	10.8	8.9	11.1	8.9
Freq. (MHz)	445.0	481.0	481.0	481.0
Limit (dB)	8.2	7.4	7.4	7.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-38	12-38	35-45	35-45
ACR-N (dB)	4.8	6.2	12.8	11.3
Freq. (MHz)	314.0	313.0	488.0	488.0
Limit (dB)	-0.2	-0.1	-18.9	-18.9
Worst Pair	38	38	38	45
PS ACR-N (dB)	6.2	7.5	13.0	11.0
Freq. (MHz)	314.0	313.0	488.0	488.0
Limit (dB)	-2.8	-2.7	-18.9	-18.8

PASS	MAIN	SR	MAIN	SR
Worst Pair	12	78	45	45
RL (dB)	4.8	3.7	9.4	11.8
Freq. (MHz)	4.0	4.0	488.0	420.0
Limit (dB)	21.0	21.0	8.0	8.0

Compliant Network Standards:

10GBASE-T	10GBASE-TX	10GBASE-T4
10GBASE-T	10GBASE-T	ATM-25
ATM-51	ATM-155	100VG-AvgLen
TR-4	TR-16 Active	TR-16 Passive



**Cable ID: CLU 6A B**

Date / Time: 06/20/2019 08:44:48 AM
 Headroom 5.1 dB (NEXT 36-45)
 Test Limit: TIA Cat 6A Perm. Link
 Cable Type: Cat 6A U/UTP
 NVP: 69.0%

Software Version: V6.0 Build 6
 Limits Version: V7.0

Test Summary: PASS

Model: DSX-5000
 Main S/N: 2405257
 Remote S/N: 2420489
 Main Adapter: DSX-PLA004
 Remote Adapter: DSX-PLA004

Length (ft), Limit 285	[Pair 78]	286
Prop. Delay (ns), Limit 488	[Pair 45]	449
Delay Skew (ns), Limit 44	[Pair 45]	18
Resistance (ohms)	[Pair 36]	14.33

Insertion Loss Margin (dB)	[Pair 45]	1.2
Frequency (MHz)	[Pair 45]	465.0
Limit (dB)	[Pair 45]	43.6

Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	36-78	36-78
NEXT (dB)	5.9	5.1	6.1	7.5
Freq. (MHz)	147.5	79.3	429.0	484.0
Limit (dB)	39.1	43.5	28.9	28.8
Worst Pair	36	78	36	36
PS NEXT (dB)	5.8	6.4	9.2	8.3
Freq. (MHz)	223.0	69.0	500.0	484.0
Limit (dB)	33.5	41.9	23.8	23.9

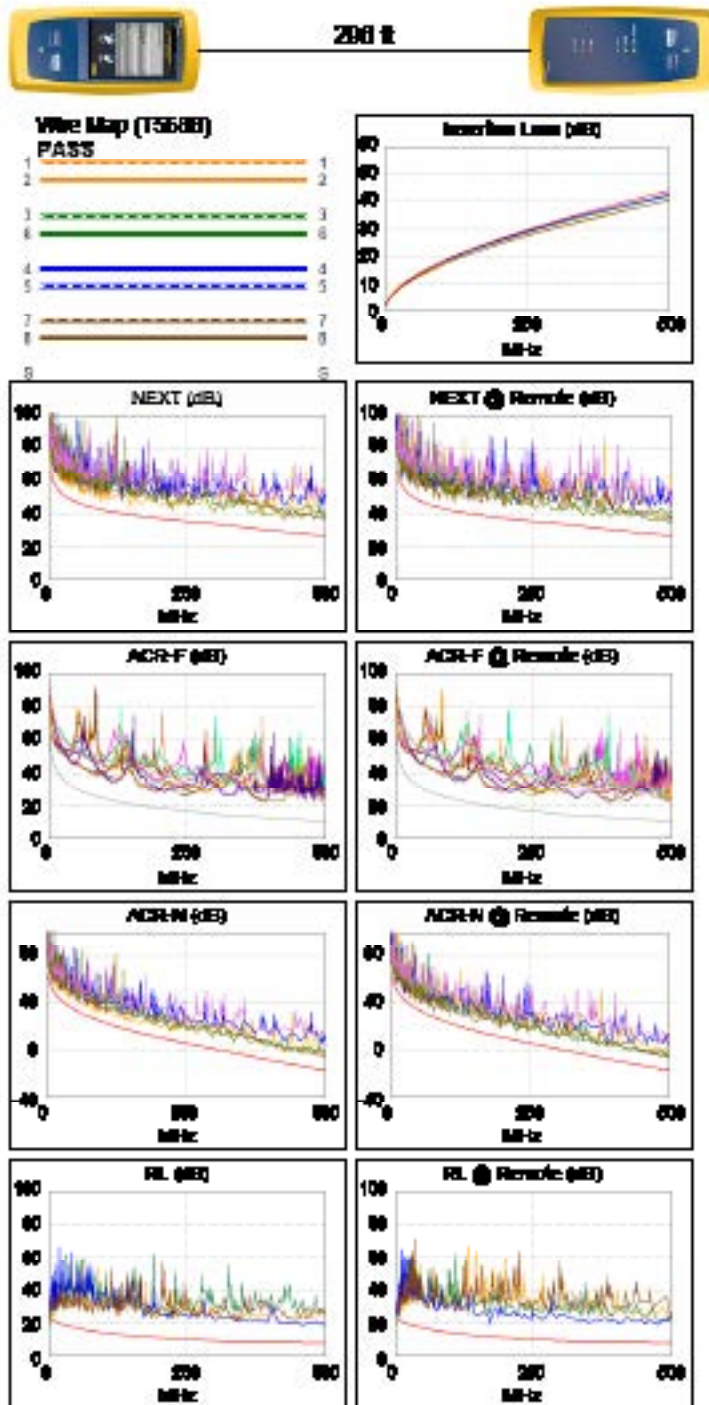
PASS	MAIN	SR	MAIN	SR
Worst Pair	78-12	12-78	36-45	36-45
ACR-F (dB)	9.2	9.5	9.8	9.6
Freq. (MHz)	248.0	247.5	390.0	393.0
Limit (dB)	16.3	16.3	12.4	12.3
Worst Pair	36	36	36	78
PS ACR-F (dB)	10.8	10.9	10.6	13.0
Freq. (MHz)	386.0	196.5	398.0	488.0
Limit (dB)	9.5	15.3	9.5	7.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	36-45	36-45	36-45
ACR-N (dB)	6.4	5.2	11.3	9.8
Freq. (MHz)	147.5	79.3	409.0	487.0
Limit (dB)	17.0	27.6	-17.0	-16.1
Worst Pair	36	36	36	36
PS ACR-N (dB)	6.5	6.8	11.1	10.4
Freq. (MHz)	223.0	69.0	500.0	497.0
Limit (dB)	5.8	27.2	-20.0	-19.7

PASS	MAIN	SR	MAIN	SR
Worst Pair	12	12	45	45
RL (dB)	4.4	5.1	10.7	11.2
Freq. (MHz)	3.8	3.8	460.0	478.0
Limit (dB)	21.0	21.0	8.0	8.0

Compliant Network Standards:

10GBASE-T	10GBASE-TX	10GBASE-T4
10GBASE-T	10GBASE-T	ATM-25
ATM-51	ATM-155	10DMG-AvgLim
TR-4	TR-16 Active	TR-16 Passive





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