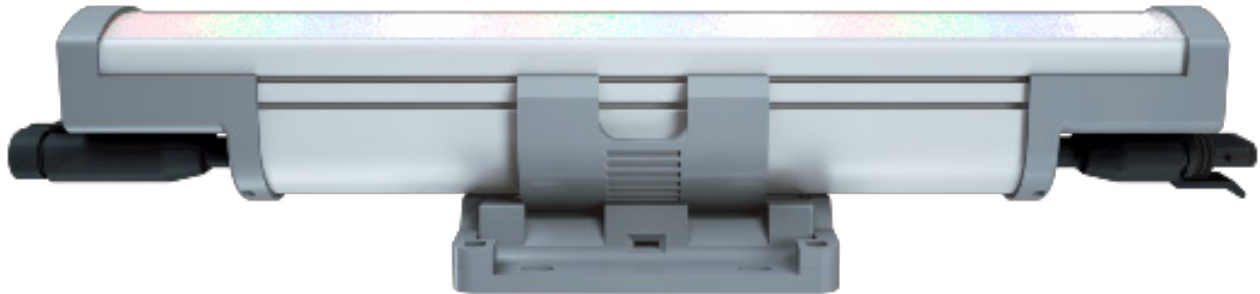# moda**LIGHT**®
PRODUCT GUIDE

Client: _____ Project Name: _____

MODA Contact: _____ E-Mail: _____

Type: _____ PO#: _____ Quantity: _____

Notes: _____
_____

Specification Grade Premium Exterior Cove Fixture.

MODA COVE Exterior is a new patent pending cove lighting system designed for exterior applications. Utilizing MODA's latest DMX software, our onboard Microprocessor is uniquely programmed in-house with a firmware to receive DMX 512 signals for full independent control of every 1ft section. Mix colors to create amazing displays and color scenes using MODA controls. Switch to a high CRI, high R1-R15 white light for quality general illumination. 100-277V 50/60 Hz power input allows these fixtures to be installed anywhere in the world. New patent pending locking bracket which rotates 180 degrees for a multitude of light directions. Rugged aluminum design. Protected from corrosion and harsh weather conditions by MODA GUARD a tough seal which protects the fixture. Fast installation is achieved with MODA KWIK CONNECT plug and install-integral thumb latch connectors. Available in 1ft & 4ft sections. Series is designed for driver or light engine to be factory replaced at its end of life or recycled.

Designed and developed in Las Vegas, USA by MODA.

modaLIGHT®
PRODUCT GUIDE

PAGE

Due to continuous improvements and innovations, specifications may change without notice.
Please refer to our website for current technical data. These figures are provided as a guideline
only and may vary with differing power supplies and installations. All rights reserved. E&OE.

moda**LIGHT**®
P R O D U C T   G U I D E

PHYSICAL

Dimensions	L: 1ft 1 25/32in(349.69mm) W: 2 13/16in(71.81mm) L: 4ft 19/32in(1.23m) H: 2 7/8in(73.42mm)
Applications	Cove, Accent & Indirect General Illumination
Construction	Pure Aluminum Body, Polycarbonate Mounting Bracket and Lens
Ingress Protection	Wet Location IP66
Thermal Management	MODA Aluminum Heat Sink
Beam Angle	120°
Fixture Connections	Integral Male & Female Connectors
Operating Temperature	-40°F ~ 122°F (-40°C ~ 50°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Humidity	0-95% Non Condensing

OUTPUT

CCT & SDCM	RGB - N/A 27K, 3K, 35K, & 4K - 2 Step MacAdam Ellipse
Color Bin Tolerance	Zero Bin
Wavelength	97 (27K, 3K, 35K, & 4K)
Lumen Maintenance	90,000 Hours L70 @ 25°C 70,000 Hours L70 @ 50°C
Testing Data	Light Data LM-79-08 & LM-80-08

ELECTRICAL

Input Voltage	100-277V AC 50Hz/60Hz
Control	DMX 512
Power Factor	≥ 0.96

MODA TECHNOLOGY

moda**SOFTWARE**™
moda**HARDWARE**™
moda**DMX**™
moda**DRIVER**™
moda**ZERO BIN**™
moda**THERMAL MANAGEMENT**™
moda**GUARD**™
moda**SEAL**™
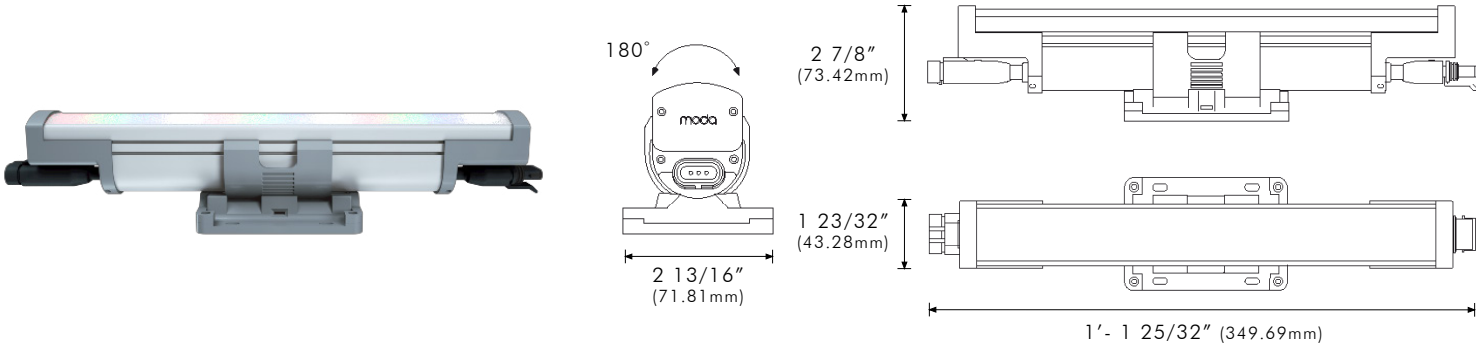moda**AIRFLOW**™
moda**COMMUNICATE**™
moda**KWIK CONNECT**™

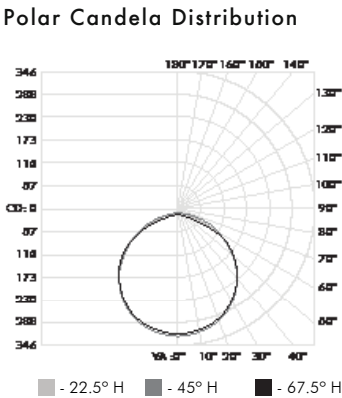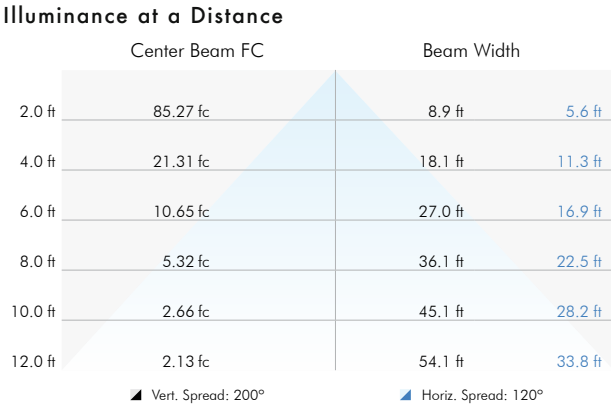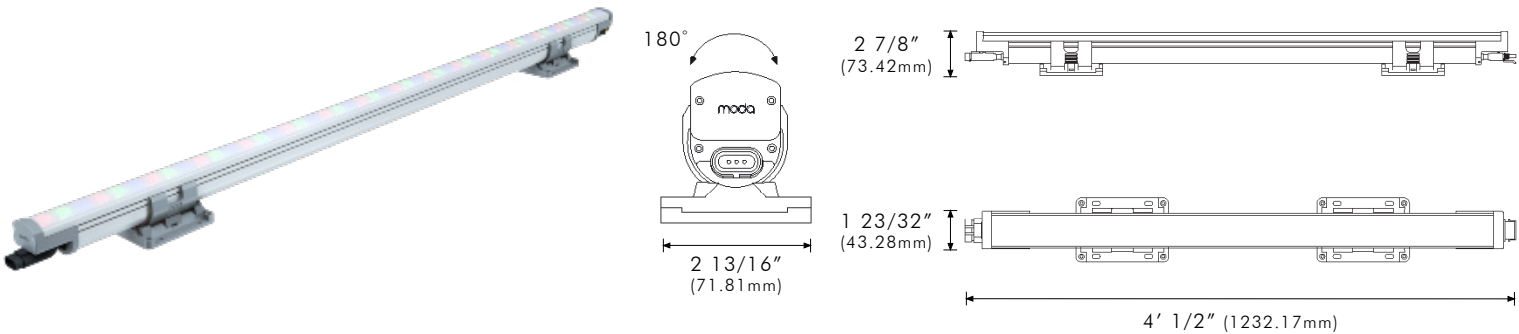|	
Certification	Tested to UL & CSA by Intertek For Use in USA & CANADA. Exceeds ANSI C78.377-2015, CE, C-Tick, RoHS, & WEEE Compliant.
Class	1
Warranty	3 Year Limited Warranty

180°

2 7/8"
(73.42mm)

1 23/32"
(43.28mm)

2 13/16"
(71.81mm)

1'- 1 25/32" (349.69mm)

DMX

	Lumens	CRI	Efficacy
RGB27K	867	97	86.70
RGB3K	897	97	89.70
RGB35K	909	97	90.90
RGB4K	921	97	92.10

Power Consumption

120-277V AC   10W

Max Run Lengths

120-277V AC   80ft

Illuminance at a Distance

	Center Beam FC		Beam Width	
2.0 ft	85.27 fc		8.9 ft	5.6 ft
4.0 ft	21.31 fc		18.1 ft	11.3 ft
6.0 ft	10.65 fc		27.0 ft	16.9 ft
8.0 ft	5.32 fc		36.1 ft	22.5 ft
10.0 ft	2.66 fc		45.1 ft	28.2 ft
12.0 ft	2.13 fc		54.1 ft	33.8 ft

◢ Vert. Spread: 200°   ◢ Horiz. Spread: 120°

Polar Candela Distribution

☐ - 22.5° H   ▨ - 45° H   ■ - 67.5° H

180°

2 7/8"
(73.42mm)

2 13/16"
(71.81mm)

1 23/32"
(43.28mm)

4' 1/2" (1232.17mm)

DMX

	Lumens	CRI	Efficacy
RGB27K	3468	97	86.70
RGB3K	3588	97	89.70
RGB35K	3636	97	90.90
RGB4K	3684	97	92.10

Power Consumption

120-277V AC   40W

Max Run Lengths

120-277V AC   80ft

Illuminance at a Distance

	Center Beam FC	Beam Width	
2.0 ft	341.11 fc	8.9 ft	5.6 ft
4.0 ft	85.27 fc	18.1 ft	11.3 ft
6.0 ft	42.63 fc	27.0 ft	16.9 ft
8.0 ft	21.31 fc	36.1 ft	22.5 ft
10.0 ft	10.65 fc	45.1 ft	28.2 ft
12.0 ft	8.52 fc	54.1 ft	33.8 ft

◢ Vert. Spread: 200°   ◢ Horiz. Spread: 120°

Polar Candela Distribution

180° 170° 160° 150° 140°
1384
1154   130°
923   120°
692   110°
461   100°
230
CD: 0   90°
230   80°
461   70°
692   60°
923   50°
1154
1384
90° 5° 10° 20° 30° 40°

■ - 22.5° H   ■ - 45° H   ■ - 67.5° H

DMX Controller

100-277V
AC

1
2
3
4
5

B
C
A
D
E
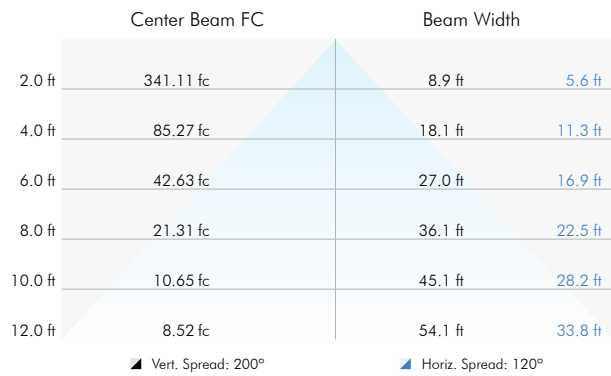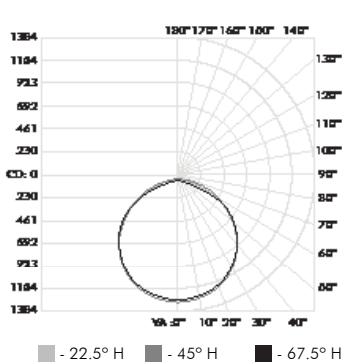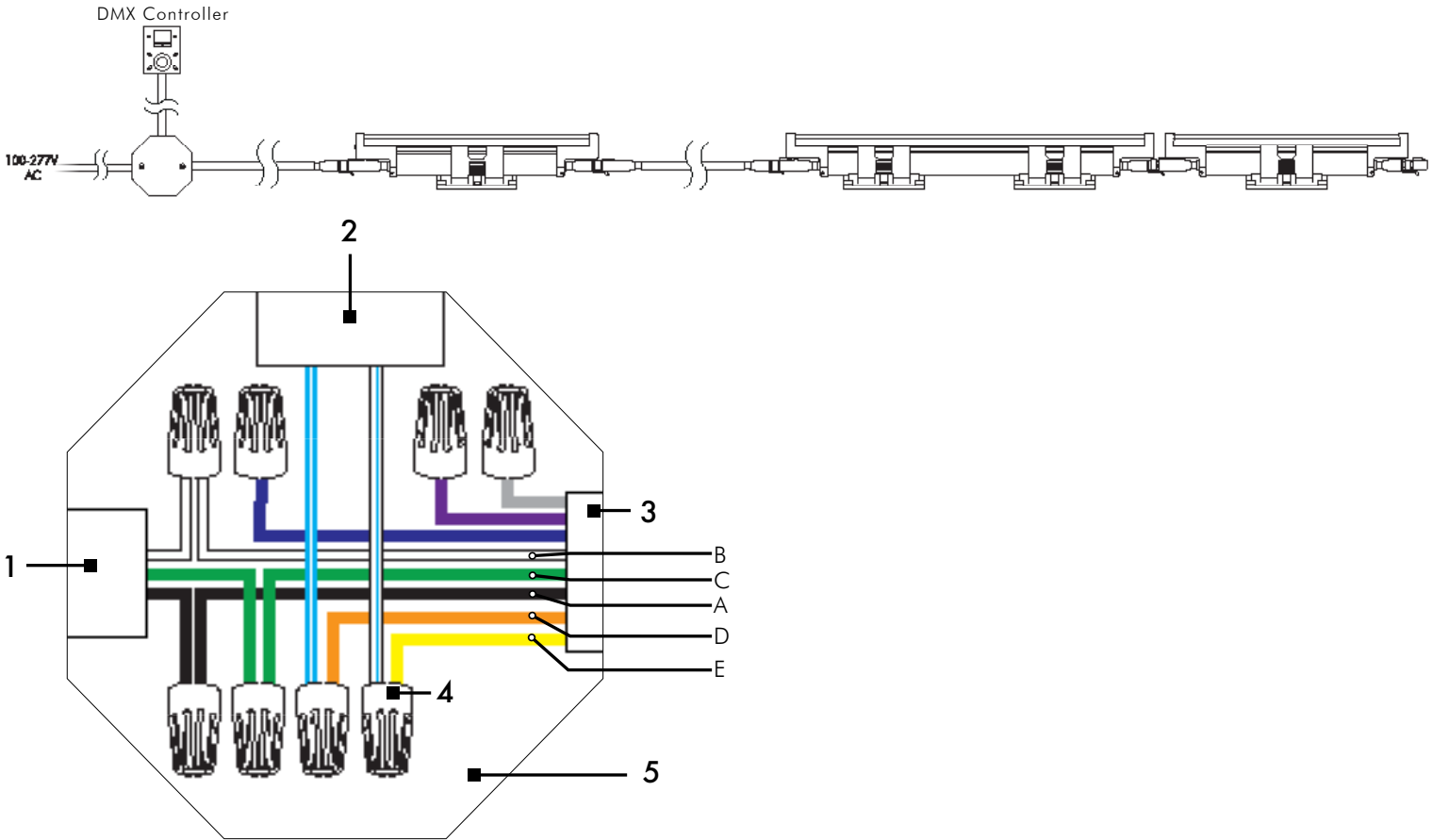
Wiring Legend

1	Power 100-277V AC
2	DMX Controller
3	8 Pin Leader Cable
4	Junction Box
5	Wiring Nuts

8 Pin Leader Cable

		UL/cUL	CE/CCC*
A	100-277V AC	▬ Black	▬ Brown
B	Neutral	═ White	▬ Blue
C	Ground	▬ Green	▬ Green/Yellow
D	Data Positive	▬ Orange	▬ Orange
E	Data Negative	▬ Yellow	▬ Yellow

*Not illustrated

DMX Connectors

Female

13/16"
(22mm)

2 1/10"
(55mm)

1"
(26.5mm)

Male

1/8"
(18.5mm)

2 7/16"
(63mm)

1"
(26.5mm)

Angle Adjustment

90°

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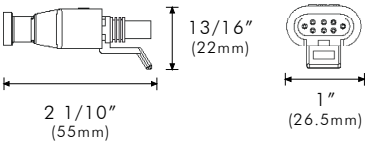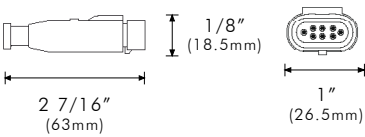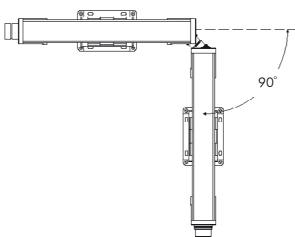
DMX LEADER CABLES

Moda Cove Exterior 8 Pin Leader Cables

	UL/cUL	EU/CCC
Lengths	25ft and 50ft	7.62m and 15m
Color	Black	Black
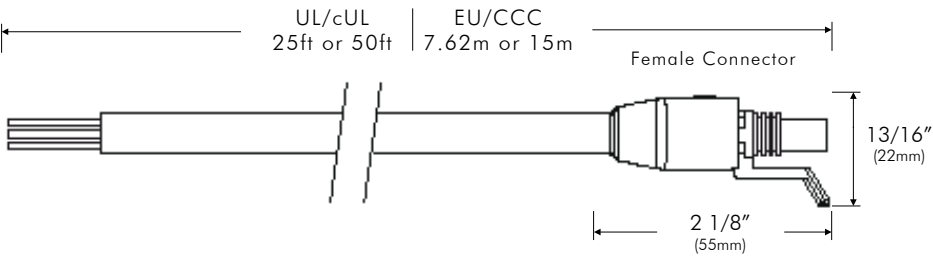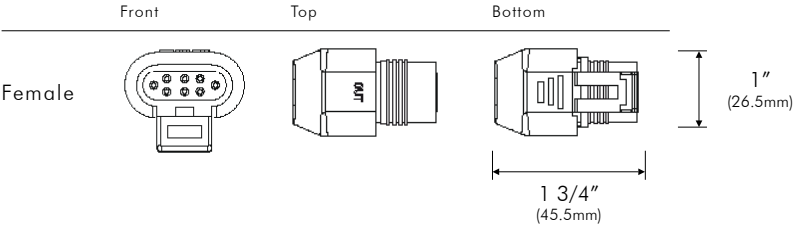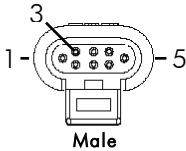
UL/cUL 25ft or 50ft | EU/CCC 7.62m or 15m

Female Connector

13/16" (22mm)

2 1/8" (55mm)

Connectors

Front   Top   Bottom

Female

1" (26.5mm)

1 3/4" (45.5mm)

Pin Assignment

3
1 -   - 5

Male

		UL/cUL	EU/CCC
1	Live 100-277V	Black	Brown
2	Neutral	White	Blue
3	Ground	Green	Green/Yellow
3	DMX Positive	Orange	Orange
4	DMX Negative	Yellow	Yellow

DMX JUMPER CABLES

Moda Cove Exterior 8 Pin Jumper Cables

	UL/cUL	EU/CCC
Lengths	1ft and 4ft	300mm and 1m
Color	Black	Black

UL/cUL 1ft or 4ft | EU/CCC 300m or 1m

Male Connector   Female Connector

13/16" (22mm)

2" (52mm)   2 1/8" (55mm)

Connectors

Front   Top   Bottom

Female

1" (26.5mm)

Male

/1" (26.5mm)

Pin Assignment

3
1 -   - 5

Male

		UL/cUL	EU/CCC
1	Live 100-277V	Black	Brown
2	Neutral	White	Blue
3	Ground	Green	Green/Yellow
3	DMX Positive	Orange	Orange
4	DMX Negative	Yellow	Yellow

3
5 -   - 1
4   2

Female

		UL/cUL	EU/CCC
1	Live 100-277V	Black	Brown
2	Neutral	White	Blue
3	Ground	Green	Green/Yellow
3	DMX Positive	Orange	Orange
4	DMX Negative	Yellow	Yellow

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P R O D U C T   G U I D E
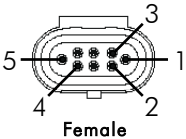
FIXTURE		SKU
1FT	Moda Cove Exterior High Output Silver DMX 512 RGB 2700K HCRI 1FT	MCE-HO-S1-S-RGB27-1
	Moda Cove Exterior High Output Silver DMX 512 RGB 3000K HCRI 1FT	MCE-HO-S1-S-RGB3-1
	Moda Cove Exterior High Output Silver DMX 512 RGB 3500K HCRI 1FT	MCE-HO-S1-S-RGB35-1
	Moda Cove Exterior High Output Silver DMX 512 RGB 4000K HCRI 1FT	MCE-HO-S1-S-RGB4-1
4FT	Moda Cove Exterior High Output Silver DMX 512 RGB 2700K HCRI 4FT	MCE-HO-S1-S-RGB27-4
	Moda Cove Exterior High Output Silver DMX 512 RGB 3000K HCRI 4FT	MCE-HO-S1-S-RGB3-4
	Moda Cove Exterior High Output Silver DMX 512 RGB 3500K HCRI 4FT	MCE-HO-S1-S-RGB35-4
	Moda Cove Exterior High Output Silver DMX 512 RGB 4000K HCRI 4FT	MCE-HO-S1-S-RGB4-4

ACCESSORIES	DESCRIPTION	SKU
Leader Cable US 8 Pin 25ft	Power to first fixture of run	MLCE-US-8PIN-B-25FT
Leader Cable US 8 Pin 50ft	Power to first fixture of run	MLCE-US-8PIN-B-50FT
Jumper Cable US 8 Pin 1ft	Connection between fixtures	MJCE-US-8PIN-B-1FT
Jumper Cable US 8 Pin 4ft	Connection between fixtures	MJCE-US-8PIN-B-4FT
Leader Cable EU 8 Pin 7.62m	Power to first fixture of run	MLCE-EU-8PIN-B-7.62M
Leader Cable EU 8 Pin 15m	Power to first fixture of run	MLCE-EU-8PIN-B-15M
Jumper Cable EU 8 Pin 300mm	Connection between fixtures	MJCE-EU-8PIN-B-300MM
Jumper Cable EU 8 Pin 1m	Connection between fixtures	MJCE-EU-8PIN-B-1M
Terminator 8 Pin	Must be fixed to last fixture for safety	MTE-8PIN-B
Exterior Bracket Lock	Holds fixture in place for vertical installations	MCGE-BL-G

CONTROLS	DESCRIPTION	ORDERING NUMBER	PART NUMBER
Kandi-Touch-Black	2 Universe DMX Wall Controller	KND-TCH-B	250-0040
Kandi-Touch-White	2 Universe DMX Wall Controller	KND-TCH-W	250-0041
Belden Shielded Cable 500ft	RS-458 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation	BDL-9841-500FT	250-0251
Belden Shielded Cable 1000ft	RS-458 Cable for DMX, 24 AWG stranded TC conductors, polyethylene insulation	BDL-9841-1000FT	250-0252