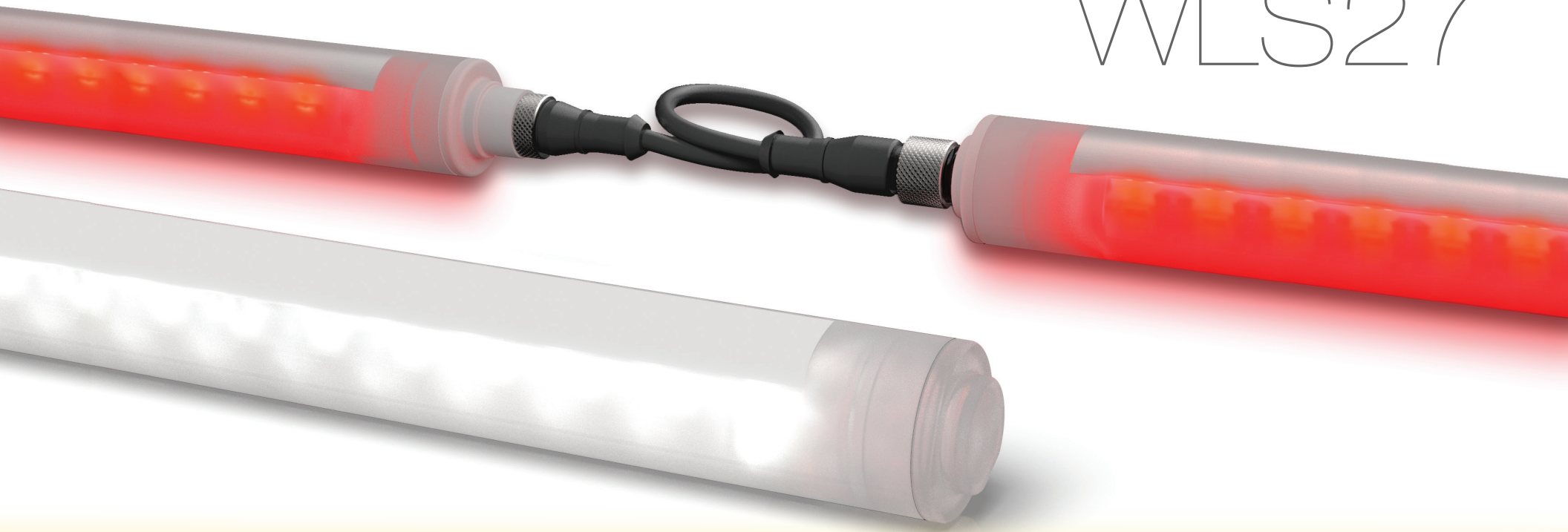


# WLS27



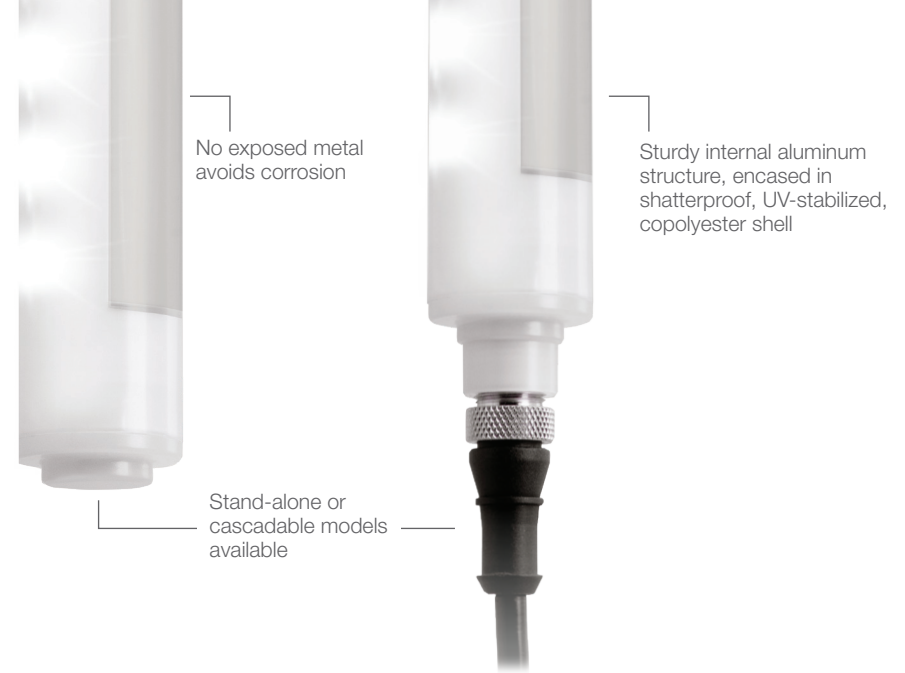
## Sealed LED Strip Lights

- Rugged, IP66, IP67 and IP69K design for harsh indoor and outdoor applications
- Single-, dual-, or multicolored models for custom illumination, indication and more
- EZ-STATUS® models combine illumination and indication
- Hazardous location models for gas and dust environments



# Advanced Solutions

- Eight lengths available from 145 to 1130 mm
- Hi/Lo/Off settings are controlled by the wiring
- Available in 6 colors to meet your application needs
- Dual-color and multicolor models controlled by two or three wires



## Single-Color

### Challenge

- Enclosed area is dark, making it hard for operators to see potential problems
- Machines are exposed to washdown procedures
- Light must not break during operation and cleaning

### Solution

- Bright LED illumination is rated for 50,000 hours
- Hygienic, IP69K certified housing for food processing and washdown environments
- Rugged design with shatterproof copolyester shell can be installed directly inside of the machine without worry



Length (mm)	Lumens (Typical @ 25 °C)						Typical Wattage* (Watts)
	Cool White	Warm White	Red	Green	Blue	Yellow	
145	325	325	55	180	40	50	4
285	650	650	110	360	80	100	7
430	975	975	165	540	120	150	11
570	1300	1300	220	720	160	200	15
710	1625	1625	275	900	200	250	19
850	1950	1950	330	1080	240	300	22
990	2275	2275	385	1260	280	350	26
1130	2600	2600	440	1440	320	400	30

\*Typical operating wattage is measured at 24 V dc

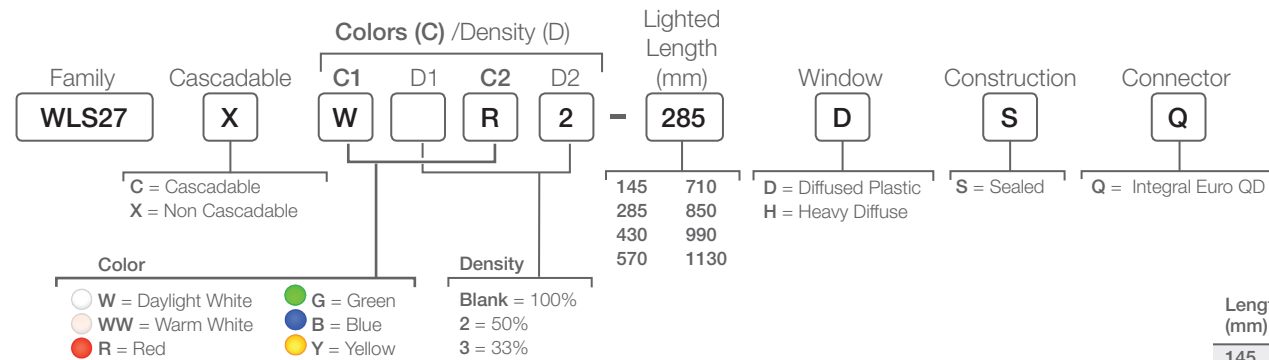
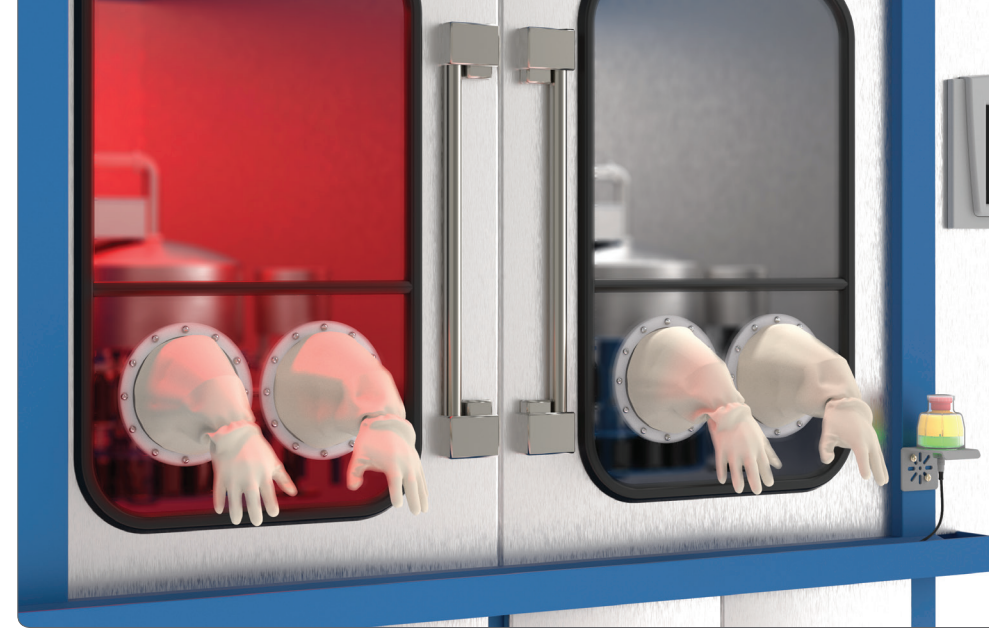
# Dual-Color

## Challenge

- On large machines, it can take time to determine the source of a problem
- Once a problem is identified, high quality task lighting is required for troubleshooting

## Solution

- Dual color lights alert operators to the machine condition and direct them to the location of the problem
- Allows operators to respond more quickly to status changes
- When the guard door opens, the light returns to white task lighting, providing clear visibility for troubleshooting



Length (mm)	Lumens (Typical @ 25 °C)					Typical Wattage* (Watts)
	White	Red	Yellow	Green	Blue	
145	238	100	75	150	55	4
285	475	200	150	300	110	7
430	713	300	225	450	165	11
570	950	400	300	600	220	15
710	1188	500	375	750	275	18
850	1425	600	450	900	330	22
990	1663	700	525	1050	385	26
1130	1900	800	600	1200	440	30

\*Typical operating wattage is measured at 24 V dc





## Illumination

Light up a space to increase productivity and improve worker ergonomics and safety.

- Low bay task lights bring extra light where needed when high bay or ceiling lights are insufficient or are blocked by structures
- Task lights provide bright, focused light for finer tasks at workstations
- Heavy-duty machine lights allow operators to see into machine enclosures to visually monitor machine processes

## Indication

Use colored light to provide visual status updates.

- Tower lights and other indicators can change colors and/or flash when a change in status has occurred
- Let a manager know he or she is needed at a station
- Alert an operator that a machine has jammed or material needs to be refilled

## Illumination + Indication

EZ-STATUS® models combine illumination and multiple indication capabilities in a single device.

- Promotes faster responses to status changes
- Improves ergonomics and limits wasted movement
- Reduces the risk of costly mistakes and accidents

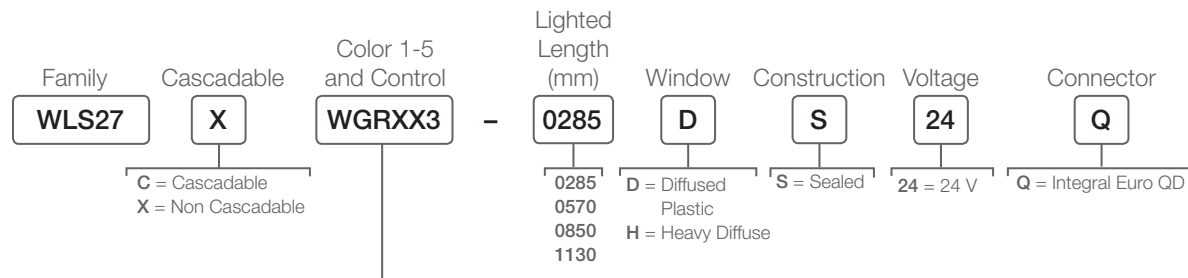
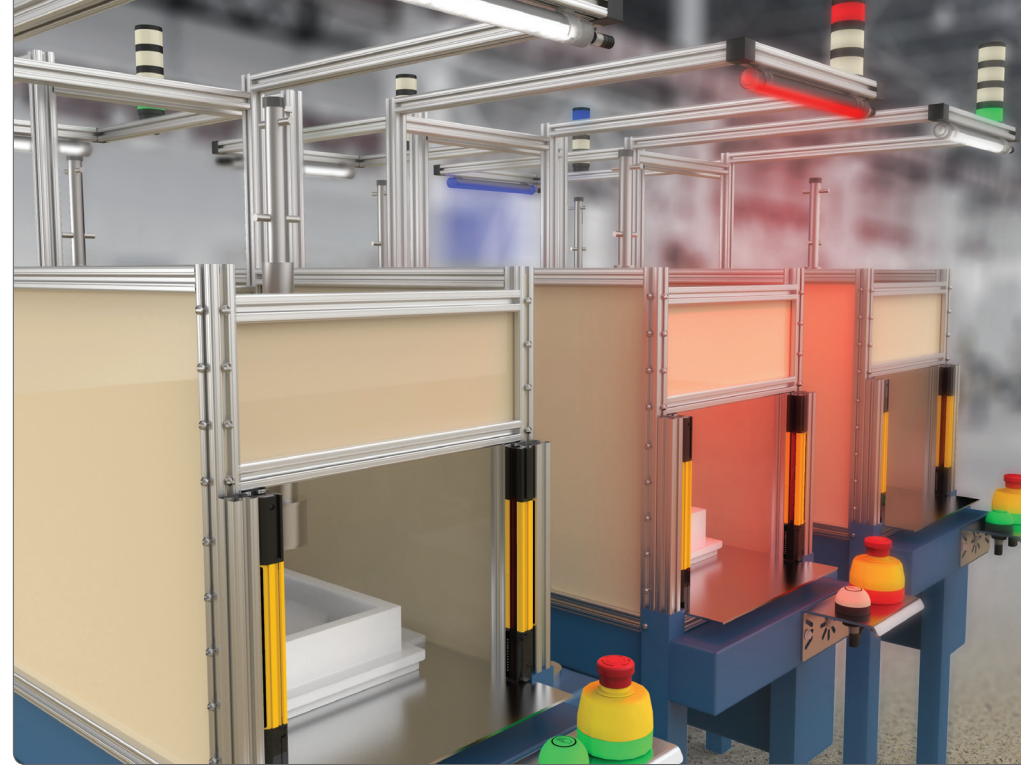
# Multicolor with EZ-STATUS®

## Challenge

- At workstations, operators may not see tower lights unless they are looking up and in the general direction of the indicator
- Operators may tune out audible alarm cues
- Not seeing or hearing an alert right away slows response time

## Solution

- Multicolor task lights provide illumination during normal operation and offer a large variety of color options for status indication
- When an alert occurs, the task light turns a designated color, flooding the whole work space with that color



- WGRXX3 = White, Green, and Red with override control
- WYRXX3 = White, Yellow, and Red with override control
- GYRXX3 = Green, Yellow, and Red with override control
- WGRYB5 = White, Green, Red, Yellow, and Blue with binary control
- WGRXX6 = White, Green, and Red with I/O Block control
- WYRXX6 = White, Yellow, and Red with I/O Block control
- GYRXX6 = Green, Yellow, and Red with I/O Block control

Length (mm)	Lumens (Typical @ 25 °C)					Typical Wattage* (Watts)
	Daylight White	Red	Green	Blue	Yellow	
0285	650	185	400	125	570	7
0570	1300	370	800	250	1140	15
0850	1950	555	1200	375	1710	22
1130	2600	740	1600	500	2280	30

\*Typical operating wattage is measured at 24 V dc

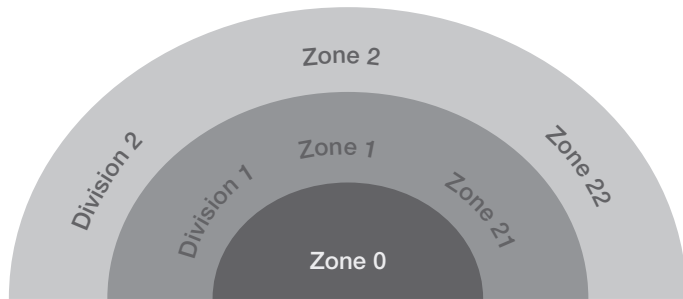


Rugged, water-resistant  
IEC IP66, IEC IP67 design

Slim, space-saving design  
for use in hazardous  
locations

# HLS27 Hazardous Location

- Certified for use in Class I Division 2, Class II Division 2, and Class III Division 1 and 2 locations
- Slim, space-saving design opens mounting possibilities and limits obstruction
- IP66, IP67 construction for installation in indoor, outdoor and washdown environments
- Single- and dual-color models for advanced signaling, inspection and other applications
- Custom brackets make mounting easy and protect against impact
- Intensity control via Hi/Lo/Off wiring or PWM dimming



**Models with 2.0 (6.3 ft) ITC-ER cable and unterminated tinned leads:**  
 Gas & Vapors: Class I Zone 2 IIC T4 / Class I Div 2 Groups ABCD T4  
 Dust: Class II Zone 22 IIIC T135°C / Class II Div 2 Groups FG T4  
 Class III Div 1 and Div 2 T4



## Single-Color



Length (mm)	Lumens (Typical @ 25 °C)						Typical Wattage* (Watts)
	Cool White	Warm White	Red	Green	Blue	Yellow	
145	375	375	65	205	45	55	4
285	750	750	130	410	90	110	7
430	1125	1125	195	615	135	165	11
570	1500	1500	260	820	180	220	15
710	1875	1875	325	1025	225	275	19
850	2250	2250	390	1230	270	330	22
990	2625	2625	455	1435	315	385	26
1130	3000	3000	520	1640	360	440	30

\*Typical operating wattage is measured at 24 V dc

### Challenge

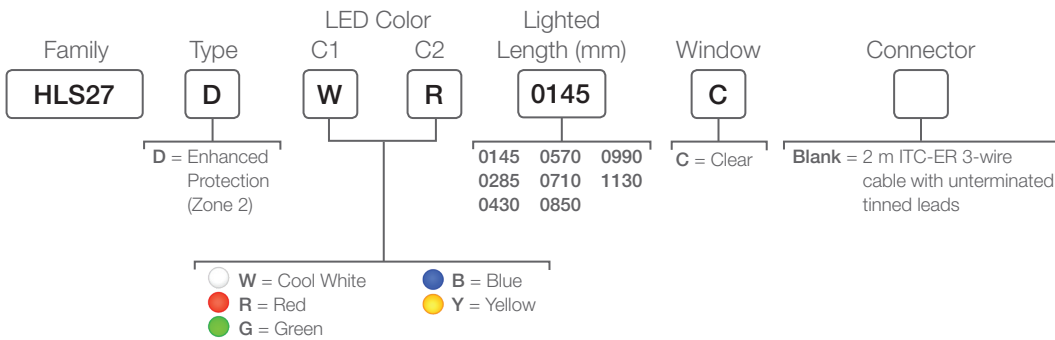
- Visibility is critical for visual inspection of product and machine performance in flexographic printing
- The presence of inks and solvents qualifies the machine area as Class I Division 2

### Solution

- HLS27 provides bright light so operators can verify print quality
- The slim design easily fits in the machine without obstructing the equipment or view
- Eight length options allow the HLS27 to fit across different material sizes
- Dimming options give the operator control of intensity and provide additional energy savings



### Dual-Color



Length (mm)	Lumens (Typical @ 25 °C)					Typical Wattage* (Watts)
	Daylight White	Red	Green	Blue	Yellow	
145	275	115	175	65	85	4
285	550	230	350	130	170	7
430	825	345	525	195	255	11
570	1100	460	700	260	340	15
710	1375	575	875	325	425	19
850	1650	690	1050	390	510	22
990	1925	805	1225	455	595	26
1130	2200	920	1400	520	680	30

\*Typical operating wattage is measured at 24 V dc

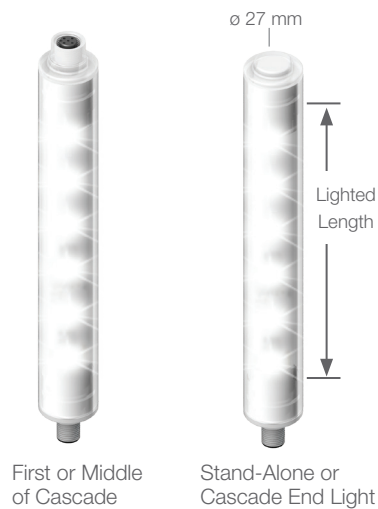
### Brackets



LMBHLS270

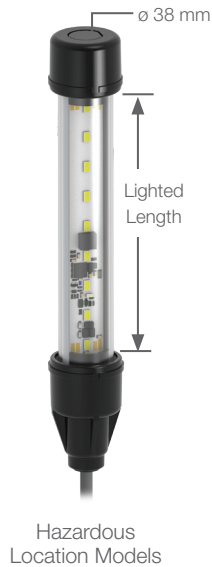
LMBHLS27S

## WLS27



Lighted Length (mm)	
145	710
285	850
430	990
570	1130

## HLS27



### Supply Voltage

Single-, Dual-color, HLS27 models: 12 to 30 V dc  
Multicolor models: 24 V dc

### Construction

Clear anodized aluminum inner housing  
All WLS27 models: FDA-grade copolyester outer housing  
HLS27 models: UV stabilized polycarbonate outer housing

### Operating/Storage Temperature

Single-, Dual-color, HLS27 models: -40 to +70 °C (-40 to +158 °F)  
Multicolor models: -40 to +50 °C (-40 to +122 °F)

### Connections

All WLS27 models: Integral 4-pin M12 quick disconnect fitting (4-pin connecting cordset required)  
HLS27 models: 2.0 m (6.3 ft) ITC-ER cable with unterminated tinned leads

### Environmental Rating

All WLS27 models: IEC IP66, IP67, IP69K per DIN 40050  
HLS27 models: IEC IP66, IEC IP67

### Vibration and Mechanical Shock

Vibration 10-55 Hz 1.0 mm p-p amplitude per IEC 60068-2-6  
Shock 15G 11 ms duration, half sine wave per IEC 60068-2-27

### Certifications

WLS27 models:    HLS27 models: 

## Accessories



## IP69K Washdown Cables

**M12 Euro-Style Washdown**  
Straight connector models only

**M12 Euro-Style**  
Double-ended (straight male/straight female connectors)



4-Pin

**MQDC-WDSS-0406**  
2 m (6.5')  
**MQDC-WDSS-0415**  
5 m (15')  
**MQDC-WDSS-0430**  
9 m (30')

**MQDEC-WDSS401SS**  
0.3 m (1')  
**MQDEC-WDSS403SS**  
1 m (3')  
**MQDEC-WDSS406SS**  
2 m (6.5')

## Standard Cables

**M12 Euro-Style**  
Straight connector models listed; for right-angle, add **RA** to the end of the model number (example, **MQDC-406RA**)

**M12 Euro-Style**  
Double-ended (straight male/straight female connectors)

**M12/Euro-Style Cordsets**  
Splitter



4-Pin

**MQDC-406**  
2 m (6.5')  
**MQDC-415**  
5 m (15')  
**MQDC-430**  
9 m (30')

**MQDEC-401SS**  
0.3 m (1')  
**MQDEC-403SS**  
1 m (3')  
**MQDEC-406SS**  
2 m (6.5')

**CSB-M1241M1241**  
0.3 m (1') male trunk;  
2 x 0.3 m (1') female branches



186573 Rev. B

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