ColorGraze IntelliHue Powercore

Date:	
Type:	
Firm Name:	
Project:	

100 to 277 VAC, 60° x 30°, 1219 mm (4 ft)

Exterior linear grazing luminaire with intelligent white and color light

Graze is a high-performance, exterior linear luminaire designed to highlight architectural features ranging from surface textures and molding details to archways and windows. Graze IntelliHue utilizes Color Kinetics IntelliHue technology to produce millions of saturated colors, pastels, and high quality white light, in the same precisely controllable luminaire. Multiple luminaire lengths, and beam angles support a large range of façade or surface illumination applications. Low-profile housing, connectorized cabling, a universal power input range, and direct line voltage operation make Graze luminaires easy to install and operate.



- Tailor light output to specific applications—Available in four standard lengths (1 ft, 2 ft, 3 ft, and 4 ft), and five standard $9^\circ \times 9^\circ$, $10^\circ \times 60^\circ$, $15^\circ \times 30^\circ$, $30^\circ \times 60^\circ$, and $60^\circ \times 30^\circ$ beam angles.
- Color-changing and high-quality white light from the same luminiare —IntelliHue is an advanced approach to color mixing that enables high-quality intelligent color and white light from a single luminaire. Multiple channels of LED light sources combine to produce a full spectrum of precisely controllable light, including millions of saturated colors, pastels, and uniform white light with CRI of greater than 80 in the 2700 K to 4000 K range.
- Improves color consistency between all LED luminaires in a family with Chromasync technology. During the manufacturing process a calibrated light measurement device creates an algorithm to define a common color gamut for an entire family of LED luminaires. When Chromasync is enabled, color consistency between luminaires is achieved without having to manually adjust color points on each luminaire.
- Integrates patented Powercore technology that controls power output to luminaires directly from line voltage – rapidly, efficiently, and accurately.
 The Color Kinetics Data Enabler Pro merges line voltage with control data and delivers them to luminaires over a single standard cable, dramatically simplifying installation and lowering total system cost.
- Graze provides years of reliable use under rugged conditions by meeting ANSI C136.31- 2010 standard with a 3G vibration rating, and elimination of water pooling on the lens.
- Works seamlessly with the Color Kinetics full range of controllers, including Light System Manager, iPlayer 3, Antumbra iColor Keypad, and ColorDial Pro—as well as third-party controllers.
- Convenient push-and-click connectors let you easily and rapidly install Leader Cables and Jumper Cables. Constant torque locking hinges offer simple and consistent position control from various angles.

For detailed product information, please refer to the Graze Product Guide at www.colorkinetics.com/global/products/intellihue/colorgraze-powercore/



Specifications

Due to continuous improvements and innovations, specifications may change without notice.

Output

Output	
Beam Angle	60° x 30°
Lumens All Channels Full On [†]	2768
Lumens @ 2700 K	1732
Lumens @ 4000 K	2084
Efficacy (lm/W) All Channels Full On §§	38.7
Efficacy (lm/W) @ 2700 K	47
Efficacy (lm/W) @ 4000 K	44.6
CRI All Channels Full On	_
CRI @ 2700 K	87.1
CRI @ 4000 K	81.4
CRI @ 4000 K	81.4
CRI R9 @ 4000 K	41.5
LED Channels	Red/Green/Blue/Mint White

Electrical

Input Voltage	100 to 277 VAC, auto-ranging, 50/60 Hz
Power Consumption	74 W
Power Factor	> 0.9 @ 100 to 240 VAC
	> 0.85 @ 277 VAC
Surge Limits ¶	1 kV maximum differential (L to N)
	2 kV maximum common (L to Gnd or N to Gnd)

For additional Surge Protection Requirements for LED Lighting Systems, please refer to www.colorkinetics.com/KB/surge-protection.

Control

Odrition	
Interface	Data Enabler Pro (DMX or Ethernet)
Control System	

Color Kinetics full range of controllers, including Light System Manager, iPlayer 3, Antumbra iColor Keypad, and ColorDial Pro, or third-party controllers

Remote Monitoring & Management Works with Interact Landmark

Lumen Maintenance

Am	bient
/ (111	DICTIC

Threshold§	Temperature	Reported ¶¶	Calculated ¶¶
L 70	25 °C	70000	> 100,000
	50 °C	65000	> 100,000
L 50	25 °C	75000	
	50 °C	70000	

Physical

Dimensions	68 x 1219 x 72 mm (2.7 x 48 x 2.85 in)
(Height x Width x Depth)	
Weight	4.2 kg (9.3 lb)
Housing Material	Extruded anodized aluminium
Lens	Clear UV-protected polycarbonate
Luminaire Connections	Integral male/female waterproof connectors
Mounting	Multi-positional, constant torque locking hinges

Temperature Ranges

-40 to 50 °C (-40 to 122 °F) Operating -20 to 50 °C (-4 to 122 °F) Startup -40 to 80 °C (-40 to 176 °F) Storage

Vibration Resistance

Not compliant to ANSI C136.31, 3G. Special orders are available to conform to the standard. Please contact your Color Kinetics Lighting Sales rep for custom configurations.

Mechanical Impact IK10

Corrosion Resistance

Not suitable for salt spray or harsh chemical environments. Please refer to www.colorkinetics.com/KB/corrosion-resistance for more information.

Humidity 0 to 95%, non-condensing

Thermal Protection enabled

For additional Thermal Protection information, please refer to https://colorkinetics.helpdocs.io/article/sh301ducix

Luminaire Run Lengths

To calculate luminaire run lengths and total power consumption for your specific installation, download the Configuration Calculator from www.colorkinetics.com/support/install_tool/

Certification and Safety

Approbation	UL/cUL, FCC Class A, CE, PSE, CQC, C-Tick						
Environment	Dry/Damp/Wet Location, IP66						
For additional Energy Efficiency Class Information, please refer to							
https://colorkinetics.helpdocs.jo/article/cviis2p8gg.							





^{† 305} mm (1 ft) lumen output measurements comply with IES LM-79-08 testing procedures. 610 mm (2 ft), 914 mm (3 ft), and 1219 mm (4 ft) measurements are estimated based on the 305 mm (1 ft) measurements.

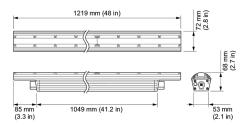
[§] Lxx = xx% lumen maintenance (when light output drops below xx% of initial output). All values are given at B10, or the median value where 90% of the LED population is better than the reported or calculated lumen maintenance measurement.

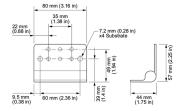
 $[\]P$ Minimum surge limits per IEC 61547, tested in accordance with IEC 61000-4-5.

^{\$\$} Efficacy measurements are estimated based on the 305 mm (1 ft) measurements.

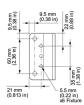
^{¶¶} Lumen maintenance figures are based on lifetime prediction graphs supplied by LED source manufacturers. Whenever possible, figures use measurements that comply with IES LM-80-08 testing procedures. In accordance with TM-21-11, Reported values represent the interpolated value based on six times the LM-80-08 total test duration (in hours). Calculated values represent time durations that exceed six times the total test duration.

Dimensions









33.5 ft (10.2 m) 1 fc maximum distance

Photometrics 60° x 30° beam angle, 305 mm (1 ft), full on

Photometric data is based on test results from an independent NIST traceable testing lab. IES data is available at www.colorkinetics.com/global/support/ies.

Beam Angle	60° x 30°
LEDs	All Channels Full On
Lumens All Channels Full On	692.0
Efficacy (lm/W) All Channels Full On	38.7



Illuminance at Distance 70.44 fc 4.4 ft 2.4 ft 17.61 fc 8.9 ft 4.8 ft 7.83 fc 13.3 ft 7.1 ft 12 ft 9.5 ft 4.40 fc 17.8 ft 16 ft 2.82 fc 22.2 ft 11.9 ft 20 ft

Zonal Lumen

Zone	Lumens	%	Luminaire
0-30	524.3		75.6%
0-40	630.3		90.9%
0-60	685.3		98.8%
60-90	8.1		1.2%
70-100	1.3		0.2%
90-120	0.0		0.0%
0-90	693.5		100.0%
90-180	0.0		0.0%
0-180	693.5		100.0%

For lux multiply fc by 10.7

Coefficients of Utilization - Zonal Cavity Method

									Eff	ecti	ve	Floor	Ca	/ity	Refle	ctar	ice:	20%
RCC	%:		30				70			50			30			10		0
RW	%:70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RO	CR:																	
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.14	1.11	1.09	1.06	1.11	1.09	1.07	0.94	1.05	1.03	1.01	1.01	1.00	0.98	0.98			0.94
2	1.08	1.04	1.00	0.96	1.06	1.02	0.98	0.88	0.99	0.96	0.93	0.96	0.93	0.91	0.93 (0.91 (0.89	0.88
3	1.03	0.97	0.92	0.88					0.93				0.87	0.85	0.88	0.86 (0.83	0.82
4	0.98	0.91	0.86	0.81	0.96	0.90	0.85	0.78					0.82	0.79	0.84 (0.81 (0.78	0.77
5		0.85						0.73	0.83						0.80			0.72
6	0.89	0.81	0.75	0.71	0.88	0.80	0.74	0.69	0.78	0.74	0.70	0.77	0.73	0.70	0.76	0.72 (0.69	0.68
7		0.76						0.65							0.72			0.64
8	0.81	0.72	0.67	0.63				0.62	0.71				0.65	0.62	0.69	0.65 (0.62	0.60
9		0.69						0.58							0.66			0.57
10	0.75	0.65	0.60	0.56	0.74	0.65	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.63	0.59 (0.56	0.54

60° x 30° beam angle, 305 mm (1 ft), 2700 K

Beam Angle	60° x 30°
LEDs at	2700 K
Lumens @ 2700 K	433
Efficacy (lm/W) @ 2700 K	47



Illuminance at Distance





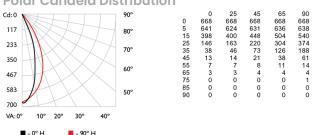
Zone	Lumens	%	Luminaire
0-30	321.5		74.2%
0-40	392.2		90.5%
0-60	428.4		98.9%
60-90	4.7		1.1%
70-100	0.8		0.2%
90-120	0.0		0.0%
0-90	433.1		100.0%
90-180	0.0		0.0%
0-180	433.1		100.0%

Polar Candela Distribution

■ - 90° H

1,200 VA: 0°

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Coefficients of Utilization - Zonal Cavity Method

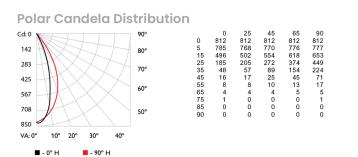
									Effe	ecti	ve	F1oor	Car	vity	Refle	ctar	nce:	20%	
RCC %	:	8	0			7	70			50			30			10		0	
RW %		50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0	
RCR	:																		
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00	
1	1.14	1.11	1.08	1.06	1.11	1.09	1.07	0.94	1.05	1.03	1.01	1.01	1.00	0.98	0.98	0.96	0.95	0.94	
2	1.08	1.03	0.99	0.96	1.06	1.02	0.98	88.0	0.98	0.95	0.93	0.95	0.93	0.91	0.93	0.91	0.89	0.87	
3	1.03	0.97	0.92	0.88	1.01	0.95	0.91	0.82	0.93	0.89	0.86	0.90	0.87	0.84	0.88	0.85	0.83	0.82	
4	0.98	0.91	0.85	0.81	0.96	0.89	0.84	0.77	0.87	0.83	0.80	0.85	0.82	0.79	0.83	08.0	0.78	0.76	
5	0.93	0.85	0.79	0.75	0.92	0.84	0.79	0.73	0.82	0.78	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.71	
6	0.89	0.80	0.74	0.70	0.87	0.79	0.74	0.68	0.78	0.73	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.67	
7	0.85	0.76	0.70	0.66	0.83	0.75	0.70	0.64	0.74	0.69	0.65	0.73	0.68	0.65	0.71	0.68	0.65	0.63	
8	0.81	0.72	0.66	0.62	0.80	0.71	0.66	0.61	0.70	0.65	0.62	0.69	0.65	0.61	0.68	0.64	0.61	0.60	
9	0.77	0.68	0.62	0.58	0.76	0.67	0.62	0.58	0.67	0.62	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.56	

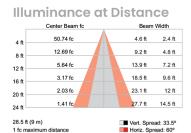
Photometrics $60^{\circ} \times 30^{\circ}$ beam angle, 305 mm (1 ft), 4000 K

Photometric data is based on test results from an independent NIST traceable testing lab. IES data is available at www.colorkinetics.com/global/support/ies.

Beam Angle	60° x 30°
LEDs at	4000 K
Lumens @ 4000 K	521
Efficacy (lm/W) @ 4000 K	44.6









For lux multiply fc by 10.7

Coefficients of Utilization - Zonal Cavity Method

								Effe	ecti	ve	Floor	Cav	/ity	Refle	cta	nce:	20%
RCC %	:	80			7	70			50			30			10		0
RW %	:70 50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR	:																
0	1.19 1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.14 1.11	1.08	1.06	1.11	1.09	1.07	0.94	1.05	1.03	1.01	1.01	1.00	0.98	0.98	0.96	0.95	0.94
2	1.08 1.03	0.99	0.96	1.06	1.02	0.98	0.88	0.98	0.95	0.93	0.95	0.93	0.91	0.93	0.91	0.89	0.87
3	1.03 0.97	0.92	88.0	1.01	0.95	0.91	0.82	0.93	0.89	0.86	0.90	0.87	0.84	0.88	0.85	0.83	0.82
4	0.98 0.90	0.85	0.81	0.96	0.89	0.84	0.77	0.87	0.83	0.80	0.85	0.82	0.79	0.83	0.80	0.78	0.76
5	0.93 0.85	0.79	0.75	0.92	0.84	0.79	0.73	0.82	0.78	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.71
6	0.89 0.80	0.74	0.70	0.87	0.79	0.74	0.68	0.78	0.73	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.67
7	0.85 0.76	0.70	0.66	0.83	0.75	0.69	0.64	0.74	0.69	0.65	0.73	0.68	0.65	0.71	0.68	0.65	0.63
8	0.81 0.72	0.66	0.62	0.80	0.71	0.66	0.61	0.70	0.65	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.60
9	0.77 0.68	0.62	0.58	0.76	0.67	0.62	0.58	0.67	0.62	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.56
10	0.74 0.65	0.59	0.55	0.73	0.64	0.59	0.55	0.63	0.58	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.54

Luminaire and Accessories

Use Item Number when ordering in North America

Accessories 4 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), UL 4 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), UE 5 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), UE 5 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), CEPSE 7 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), CEPSE 7 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), EPSE 8 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), BIS 9 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), BIS 9 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), BIS 9 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 9 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 9 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 9 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 9 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 9 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 9 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 9 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 9 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 9 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 9 Conductor Leader Cable, 1.52 m (5 ft) 9 Conductor Leader Ca	Luminaire	Item Number	Item 12NC
4 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), UL 108-00055-03 910503704066 4 Conductor Leader Cable, 100 to 277 VAC, 15.2 m (50 ft), UL 108-000055-04 910503704107 4 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), CE/PSE 108-000055-04 910503704067 4 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), CE/PSE 108-000055-01 910503704064 4 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), BIS 108-000055-13 912400137373 4 Conductor Leader Cable, 1.00 to 277 VAC, 3 m (10 ft), BIS 108-000055-09 912400134321 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), CE, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UE, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UE, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UE, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UE, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UE, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft) 108-000057-00 910503704079 108-000057-00 910503704079 108-000057-00 910503704079 108-000057-00 910503704079 108-000057-01 108-0	ColorGraze IntelliHue Powercore, 100 to 277 VAC, 60° x 30°, 1219 mm (4 ft)	423-000016-19	912400135894
4 Conductor Leader Cable, 100 to 277 VAC, 15.2 m (50 ft), UL 4 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), CE/PSE 108-000055-04 910503704067 4 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), CE/PSE 108-000055-01 910503704064 4 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), BIS 108-000055-10 912400134321 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 108-000055-10 912400134321 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 108-000055-10 912400134322 umper Cable for use with Graze, UL/CUL, End-to-End 108-000057-00 910503704079 umper Cable for use with Graze, UL/CUL, 1.5 m (5 ft) 108-000057-00 910503704079 umper Cable for use with Graze, CE/PSE, End-to-End 108-000057-01 108-000057-01 910503704077 umper Cable for use with Graze, CE/PSE, End-to-End 108-000057-01 108-000057-01 910503704077 umper Cable for use with Graze, CE/PSE, 1.5 m (5 ft) 108-000057-01 910503704077 umper Cable for use with Graze, CE/PSE, 1.5 m (5 ft) 108-000057-01 910503704077 umper Cable for use with Graze, CE/PSE, 1.5 m (5 ft) 108-000057-04 910503704077 umper Cable for use with Graze, ES, End-to-End 108-000057-04 910503704077 umper Cable for use with Graze, CE/PSE, 1.5 m (5 ft) 108-000057-04 910503704077 umper Cable for use with Graze, ES, End-to-End 108-000057-04 910503704077 umper Cable for use with Graze, ES, ES, 1.5 m (5 ft) 108-000057-04 9124001337378 varchitectural Mounting Arm, Short, Gray 120-000206-00 912400136642 Varchitectural Mounting Arm, Medium, Gray 120-000206-01 912400136643 Varchitectural Mounting Arm, Medium, Gray 120-000206-02 912400135850 Masking Shield, 1219 mm (4 ft) 120-00020-03 912400135860 Graze Glare Shield, 1220 mm (4 ft) 120-000190-06 912400133690 Power Supplies Data Enabler Pro, 3/4 in / 1/2 in NPT (U.S. trade size conduit)	Accessories		
4 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), CE/PSE 4 Conductor Leader Cable, 100 to 277 VAC, 15.2 m (50 ft), CE/PSE 4 Conductor Leader Cable, 100 to 277 VAC, 15.2 m (50 ft), CE/PSE 4 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), BIS 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft) 5 Cable for use with Graze, UL/CUL, 1.5 m (5 ft) 5 Cable for use with Graze, UL/CUL, 1.5 m (5 ft) 6 Cable for use with Graze, UL/CUL, 1.5 m (5 ft) 7 Cable for use with Graze, CE/PSE, 1.5 m (5 ft) 7 Cable for use with Graze, CE/PSE, 1.5 m (5 ft) 7 Cable for use with Graze, ES/PSE, 1.5 m (5 ft) 7 Cable for use with Graze, BIS, 1.5 m (5 ft) 7 Cable for use with Graze, BIS, 1.5 m (5 ft) 7 Cable for use with Graze, BIS, 1.5 m (5 ft) 7 Cable for use with Graze, BIS, 1.5 m (5 ft) 7 Cable for use with Graze, BIS, 1.5 m (5 ft) 7 Cable for use with Graze, BIS, 1.5 m (5 ft) 7 Cable for use with Graze, BIS, 1.5 m (5 ft) 7 Cable for use with Graze, BIS, 1.5 m (5 ft) 7 Cable for use with Graze, BIS, 1.5 m (5 ft) 7 Cable for use with Graze, BIS, 1.5 m (5 ft) 8 Cable for use with Graze, BIS, 1.5 m (5 ft) 8 Cable for use with Graze, BIS, 1.5 m (5 ft) 9 Cable for use with Graze, BIS, 1.5 m (5 ft) 9 Cable for use with Graze, BIS, 1.5 m (5 ft) 9	4 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), UL	108-000055-03	910503704066
4 Conductor Leader Cable, 100 to 277 VAC, 15.2 m (50 ft), CE/PSE 108-000055-01 910503704064 4 Conductor Leader Cable, 1.00 to 277 VAC, 3 m (10 ft), BIS 108-000055-13 912400137373 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 108-000055-09 912400134321 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 108-000055-10 912400134322 umper Cable for use with Graze, UL/cUL, End-to-End 108-000057-00 910503703139 umper Cable for use with Graze, UL/cUL, 305 mm (1 ft) 108-000057-03 910503704076 umper Cable for use with Graze, UL/cUL, 1.5 m (5 ft) 108-000057-06 910503704079 umper Cable for use with Graze, CE/PSE, End-to-End 108-000057-01 910503704079 umper Cable for use with Graze, CE/PSE, 305 mm (1 ft) 108-000057-01 910503704077 umper Cable for use with Graze, CE/PSE, 305 mm (1 ft) 108-000057-04 910503704077 umper Cable for use with Graze, CE/PSE, 1.5 m (5 ft) 108-000057-04 910503704079 umper Cable for use with Graze, CE/PSE, 1.5 m (5 ft) 108-000057-07 910503704080 umper Cable for use with Graze, BIS, 1.5 m (5 ft) 108-000057-07 910503704080 umper Cable for use with Graze, BIS, 1.5 m (5 ft) 108-000057-19 912400133737 umper Cable for use with Graze, BIS, 1.5 m (5 ft) 108-000057-19 912400133737 Architectural Mounting Arm, Short, Gray 120-000206-00 912400136642 Architectural Mounting Arm, Medium, Gray 120-000206-01 912400136643 Architectural Mounting Arm, Long, Gray 120-000206-01 912400136644 Approximate Shield, 1219 mm (4 ft) 120-000206-02 912400136604 Approximate Shield, 1219 mm (4 ft) 120-000203-03 912400135850 Architectural Mounting Arm, Long, Gray 912400135600 Graze Glare Shield, 1220 mm (4 ft) 120-000030-03 912400135600 Graze Glare Shield, 1220 mm (4 ft) 120-000030-03 912400135600 Graze Glare Shield, 1220 mm (4 ft) 120-000030-03 912400135600 Graze Glare Shield, 1220 mm (4 ft) 120-000030-03 912400133691 912400133691 912400133691 912400133691 912400133690 912400133690 912400133690 912400133690 912400133690 912400133690 912400133690 912400133690 912400133690 912400133690 912400133690	4 Conductor Leader Cable, 100 to 277 VAC, 15.2 m (50 ft), UL	108-000055-00	910503703137
4 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), BIS 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UL, Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UL, UL, Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UR, For Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UL, Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UR, For Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UR, For Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UR, For Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UR, For Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UR, For Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UR, For Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), UR, For Inground Enclosure 5 University Inground Enclosure 6 University Inground Enclosure 6 University Inground Enclosure 7 University Inground Enclosure 8 University Inground Enclosure, Unter Box for 1219 mm (4 ft) Univinaire 9 University Inground Enclosure, Unter Box for 1219 mm (4 ft) Univinaire 10 University Inground Enclosure, Unter Box for 1219 mm (4 ft) Univinaire 10 University Inground Enclosure, Unter Box for 1219 mm (4 ft) Univinaire 10 University Inground Enclosure, University In	4 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), CE/PSE	108-000055-04	910503704067
4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure 4 Conductor Leader Cable, 1.52 m (5 ft), CE, for Inground Enclosure 108-00055-09 912400134322 umper Cable for use with Graze, UL/CUL, End-to-End 108-00057-00 910503703139 umper Cable for use with Graze, UL/CUL, 305 mm (1 ft) 108-000057-06 910503704076 umper Cable for use with Graze, UL/CUL, 1.5 m (5 ft) 108-000057-06 910503704079 umper Cable for use with Graze, UL/CUL, 1.5 m (5 ft) 108-000057-06 910503704079 umper Cable for use with Graze, CE/PSE, End-to-End 108-000057-01 910503704074 umper Cable for use with Graze, CE/PSE, I.5 m (5 ft) 108-000057-01 910503704077 umper Cable for use with Graze, CE/PSE, 1.5 m (5 ft) 108-000057-04 910503704077 umper Cable for use with Graze, ElS, I.5 m (5 ft) 108-000057-07 910503704080 umper Cable for use with Graze, BIS, I.5 m (5 ft) 108-000057-18 912400137377 umper Cable for use with Graze, BIS, I.5 m (5 ft) 108-000057-19 912400137378 varietic Louver, 1219 mm (4 ft) 108-000057-19 912400136642 Architectural Mounting Arm, Short, Gray 120-000206-00 912400136643 Architectural Mounting Arm, Long, Gray 120-000206-01 912400136644 Symmetric Louver, 1219 mm (4 ft) 120-000200-03 912400136645 Symmetric Louver, 1219 mm (4 ft) 120-000200-03 912400136640 Symmetric Louver, 1219 mm (4 ft) 120-000081-03 910503700748 nground Enclosure, Outer Box for 1219 mm (4 ft) luminaire 120-000190-07 91240013690 Power Supplies Data Enabler Pro, 3/4 in / 1/2 in NPT (U.S. trade size conduit)	4 Conductor Leader Cable, 100 to 277 VAC, 15.2 m (50 ft), CE/PSE	108-000055-01	910503704064
4 Conductor Leader Cable, 1.52 m (5 ft), CE, for Inground Enclosure 108-00055-10 912400134322 umper Cable for use with Graze, UL/cUL, End-to-End 108-00057-00 910503703139 umper Cable for use with Graze, UL/cUL, 305 mm (1 ft) 108-000057-06 910503704076 umper Cable for use with Graze, UL/cUL, 1.5 m (5 ft) 108-000057-06 910503704079 umper Cable for use with Graze, CE/PSE, End-to-End 108-000057-01 910503704074 umper Cable for use with Graze, CE/PSE, End-to-End 108-000057-01 910503704074 umper Cable for use with Graze, CE/PSE, S05 mm (1 ft) 108-000057-01 910503704074 umper Cable for use with Graze, CE/PSE, 1.5 m (5 ft) 108-000057-07 910503704074 umper Cable for use with Graze, CE/PSE, 1.5 m (5 ft) 108-000057-07 910503704080 umper Cable for use with Graze, CE/PSE, 1.5 m (5 ft) 108-000057-18 912400137377 umper Cable for use with Graze, BIS, End-to-End 108-000057-19 912400137378 Architectural Mounting Arm, Short, Gray 120-000206-00 912400136642 Architectural Mounting Arm, Medium, Gray 120-000206-01 912400136643 Architectural Mounting Arm, Long, Gray 120-000206-02 912400136643 Architectural Mounting Arm, Long, Gray 120-000206-01 912400136640 Architectural Mounting Arm, Long Gray 120-000206-02 912400136640 Architectural Mounting Arm, Long, Gray 120-000206-01 912400136640 Architectural Mounting Arm, Long, Gray 120-000206-02 912400136640 Architectural Mounting Arm, Long, Gray 120-000206-01 912400136640 Architectural Mounting Arm, Long, Gray 120-000206-02 912400136640 Architectural Mounting Arm, Long, Gray 120-000206-01 912400136640 Architectural Mounting Arm, Long, Gra	4 Conductor Leader Cable, 100 to 277 VAC, 3 m (10 ft), BIS	108-000055-13	912400137373
umper Cable for use with Graze, UL/CUL, End-to-End 108-000057-00 910503703139 umper Cable for use with Graze, UL/CUL, 1.5 m (5 ft) 108-000057-06 910503704076 umper Cable for use with Graze, UL/CUL, 1.5 m (5 ft) 108-000057-06 910503704079 umper Cable for use with Graze, CE/PSE, End-to-End 108-000057-01 910503704074 umper Cable for use with Graze, CE/PSE, 305 mm (1 ft) 108-000057-04 910503704074 umper Cable for use with Graze, CE/PSE, 1.5 m (5 ft) 108-000057-07 910503704070 umper Cable for use with Graze, CE/PSE, 1.5 m (5 ft) 108-000057-07 910503704070 umper Cable for use with Graze, CE/PSE, 1.5 m (5 ft) 108-000057-07 910503704070 umper Cable for use with Graze, CE/PSE, 1.5 m (5 ft) 108-000057-07 910503704070 umper Cable for use with Graze, CE/PSE, 1.5 m (5 ft) 108-000057-18 912400137377 umper Cable for use with Graze, BIS, 1.5 m (5 ft) 108-000057-19 912400137377 umper Cable for use with Graze, BIS, 1.5 m (5 ft) 108-000057-19 9124001336642 varchitectural Mounting Arm, Medium, Gray 120-000206-00 912400136643 varchitectural Mounting Arm, Long, Gray 120-000206-01 912400135850 Masking Shield, 1219 mm (4 ft)<	4 Conductor Leader Cable, 1.52 m (5 ft), UL, for Inground Enclosure	108-000055-09	912400134321
umper Cable for use with Graze, UL/cUL, 305 mm (1 ft) 108-000057-03 910503704076 umper Cable for use with Graze, UL/cUL, 1.5 m (5 ft) 108-000057-06 910503704079 umper Cable for use with Graze, CE/PSE, End-to-End 108-000057-01 910503704074 umper Cable for use with Graze, CE/PSE, 305 mm (1 ft) 108-000057-04 910503704077 umper Cable for use with Graze, CE/PSE, 1.5 m (5 ft) 108-000057-07 910503704080 umper Cable for use with Graze, BIS, End-to-End 108-000057-18 912400137377 umper Cable for use with Graze, BIS, 1.5 m (5 ft) 108-000057-19 912400137378 Architectural Mounting Arm, Short, Gray 120-000206-00 912400136642 Architectural Mounting Arm, Medium, Gray 120-000206-01 912400136643 Architectural Mounting Arm, Long, Gray 120-000206-02 912400136644 Symmetric Louver, 1219 mm (4 ft) 120-000202-03 912400135860 Graze Glare Shield, 1220 mm (4 ft) 120-000203-03 912400135860 Graze Glare Shield, 1220 mm (4 ft) 120-000190-07 912400133691 nground Enclosure, Unter Box for 1219 mm (4 ft) luminaire 120-000190-06 912400133691 prower Supplies Data Enabler Pro, 3/4 in / 1/2 in NPT (U.S. tra	4 Conductor Leader Cable, 1.52 m (5 ft), CE, for Inground Enclosure	108-000055-10	912400134322
tumper Cable for use with Graze, UL/cUL, 1.5 m (5 ft) umper Cable for use with Graze, CE/PSE, End-to-End 108-00057-01 910503704079 umper Cable for use with Graze, CE/PSE, End-to-End 108-00057-04 910503704077 umper Cable for use with Graze, CE/PSE, 305 mm (1 ft) 108-00057-07 910503704080 umper Cable for use with Graze, CE/PSE, 1.5 m (5 ft) 108-00057-18 912400137377 umper Cable for use with Graze, BIS, End-to-End 108-00057-19 912400137378 Architectural Mounting Arm, Short, Gray 120-000206-00 912400136642 Architectural Mounting Arm, Medium, Gray 120-000206-01 912400136643 Architectural Mounting Arm, Long, Gray 120-000206-02 912400136644 Symmetric Louver, 1219 mm (4 ft) 120-00020-03 912400135850 Masking Shield, 1220 mm (4 ft) 120-000203-03 912400135860 Graze Glare Shield, 1220 mm (4 ft) 120-000081-03 910503700748 nground Enclosure, Outer Box for 1219 mm (4 ft) luminaire 120-000190-06 912400133690 Power Supplies Data Enabler Pro, 3/4 in / 1/2 in NPT (U.S. trade size conduit)	Jumper Cable for use with Graze, UL/cUL, End-to-End	108-000057-00	910503703139
umper Cable for use with Graze, CE/PSE, End-to-End 108-000057-01 910503704074 umper Cable for use with Graze, CE/PSE, 305 mm (1 ft) 108-000057-04 910503704077 umper Cable for use with Graze, CE/PSE, 1.5 m (5 ft) 108-000057-07 910503704080 umper Cable for use with Graze, BIS, End-to-End 108-000057-18 912400137377 umper Cable for use with Graze, BIS, 1.5 m (5 ft) 108-000057-19 912400137378 Architectural Mounting Arm, Short, Gray 120-000206-00 912400136642 Architectural Mounting Arm, Medium, Gray 120-000206-01 912400136643 Architectural Mounting Arm, Long, Gray 120-000206-02 912400136644 Symmetric Louver, 1219 mm (4 ft) 120-000206-02 912400135852 Masking Shield, 1219 mm (4 ft) 120-000203-03 912400135860 Graze Glare Shield, 1220 mm (4 ft) 120-000081-03 910503700748 Inground Enclosure, Outer Box for 1219 mm (4 ft) luminaire 120-000190-07 912400133691 Inground Enclosure, Inner Box for 1219 mm (4 ft) luminaire 120-000190-06 912400133690 Power Supplies	Jumper Cable for use with Graze, UL/cUL, 305 mm (1 ft)	108-000057-03	910503704076
umper Cable for use with Graze, CE/PSE, 305 mm (1 ft) 108-000057-04 910503704077 umper Cable for use with Graze, CE/PSE, 1.5 m (5 ft) 108-000057-07 910503704080 umper Cable for use with Graze, BIS, End-to-End 108-000057-18 912400137377 umper Cable for use with Graze, BIS, 1.5 m (5 ft) 108-000057-19 912400137378 Architectural Mounting Arm, Short, Gray 120-000206-00 912400136642 Architectural Mounting Arm, Medium, Gray 120-000206-01 912400136643 Architectural Mounting Arm, Long, Gray 120-000206-02 912400136644 Symmetric Louver, 1219 mm (4 ft) 120-00020-03 912400135852 Masking Shield, 1219 mm (4 ft) 120-00020-03 912400135860 Graze Glare Shield, 1220 mm (4 ft) 120-000081-03 910503700748 Inground Enclosure, Outer Box for 1219 mm (4 ft) luminaire 120-000190-07 912400133691 Inground Enclosure, Inner Box for 1219 mm (4 ft) luminaire 120-000190-06 912400133690 Power Supplies Data Enabler Pro, 3/4 in / 1/2 in NPT (U.S. trade size conduit) 106-00004-00 910503701210	Jumper Cable for use with Graze, UL/cUL, 1.5 m (5 ft)	108-000057-06	910503704079
umper Cable for use with Graze, CE/PSE, 1.5 m (5 ft) 108-000057-07 910503704080 umper Cable for use with Graze, BIS, End-to-End 108-000057-18 912400137377 umper Cable for use with Graze, BIS, 1.5 m (5 ft) 108-000057-19 912400137378 Architectural Mounting Arm, Short, Gray 120-000206-00 912400136642 Architectural Mounting Arm, Medium, Gray 120-000206-01 912400136643 Architectural Mounting Arm, Long, Gray 120-000206-02 912400136644 Symmetric Louver, 1219 mm (4 ft) 120-000202-03 912400135852 Masking Shield, 1219 mm (4 ft) 120-000203-03 912400135860 Graze Glare Shield, 1220 mm (4 ft) 120-000091-03 910503700748 Inground Enclosure, Outer Box for 1219 mm (4 ft) luminaire 120-000190-06 912400133690 Power Supplies Data Enabler Pro, 3/4 in / 1/2 in NPT (U.S. trade size conduit) 106-000004-00 910503701210	Jumper Cable for use with Graze, CE/PSE, End-to-End	108-000057-01	910503704074
umper Cable for use with Graze, BIS, End-to-End 108-000057-18 912400137377 umper Cable for use with Graze, BIS, 1.5 m (5 ft) 108-000057-19 912400137378 Architectural Mounting Arm, Short, Gray 120-000206-00 912400136642 Architectural Mounting Arm, Medium, Gray 120-000206-01 912400136643 Architectural Mounting Arm, Long, Gray 120-000206-02 912400136644 Symmetric Louver, 1219 mm (4 ft) 120-000202-03 912400135852 Masking Shield, 1219 mm (4 ft) 120-000203-03 912400135860 Graze Glare Shield, 1220 mm (4 ft) 120-000081-03 910503700748 Inground Enclosure, Outer Box for 1219 mm (4 ft) luminaire 120-000190-07 912400133691 Inground Enclosure, Inner Box for 1219 mm (4 ft) luminaire 120-000190-06 912400133690 Power Supplies Data Enabler Pro, 3/4 in / 1/2 in NPT (U.S. trade size conduit) 106-000004-00 910503701210	Jumper Cable for use with Graze, CE/PSE, 305 mm (1 ft)	108-000057-04	910503704077
umper Cable for use with Graze, BIS, 1.5 m (5 ft) 108-000057-19 912400137378 Architectural Mounting Arm, Short, Gray 120-000206-00 912400136642 Architectural Mounting Arm, Medium, Gray 120-000206-01 912400136643 Architectural Mounting Arm, Long, Gray 120-000206-02 912400136644 Symmetric Louver, 1219 mm (4 ft) 120-000202-03 912400135852 Masking Shield, 1219 mm (4 ft) 120-000203-03 912400135860 Graze Glare Shield, 1220 mm (4 ft) 120-000081-03 910503700748 Inground Enclosure, Outer Box for 1219 mm (4 ft) luminaire 120-000190-07 912400133691 Inground Enclosure, Inner Box for 1219 mm (4 ft) luminaire 120-000190-06 912400133690 Power Supplies Data Enabler Pro, 3/4 in / 1/2 in NPT (U.S. trade size conduit) 106-000004-00 910503701210	Jumper Cable for use with Graze, CE/PSE, 1.5 m (5 ft)	108-000057-07	910503704080
Architectural Mounting Arm, Short, Gray 120-000206-00 912400136642 Architectural Mounting Arm, Medium, Gray 120-000206-01 912400136643 Architectural Mounting Arm, Long, Gray 120-000206-02 912400136644 Symmetric Louver, 1219 mm (4 ft) 120-000202-03 912400135852 Masking Shield, 1219 mm (4 ft) 120-000203-03 912400135860 Graze Glare Shield, 1220 mm (4 ft) 120-000081-03 910503700748 Inground Enclosure, Outer Box for 1219 mm (4 ft) luminaire 120-000190-07 912400133691 Inground Enclosure, Inner Box for 1219 mm (4 ft) luminaire 120-000190-06 912400133690 Power Supplies Data Enabler Pro, 3/4 in / 1/2 in NPT (U.S. trade size conduit) 910503701210	Jumper Cable for use with Graze, BIS, End-to-End	108-000057-18	912400137377
Architectural Mounting Arm, Medium, Gray Architectural Mounting Arm, Long, Gray 120-000206-02 912400136644 5ymmetric Louver, 1219 mm (4 ft) 120-000202-03 912400135852 Masking Shield, 1219 mm (4 ft) 120-000203-03 912400135860 Graze Glare Shield, 1220 mm (4 ft) 120-000081-03 910503700748 Inground Enclosure, Outer Box for 1219 mm (4 ft) luminaire 120-000190-07 912400133691 Inground Enclosure, Inner Box for 1219 mm (4 ft) luminaire 120-000190-06 912400133690 Power Supplies Data Enabler Pro, 3/4 in / 1/2 in NPT (U.S. trade size conduit) 106-00004-00 910503701210	Jumper Cable for use with Graze, BIS, 1.5 m (5 ft)	108-000057-19	912400137378
Architectural Mounting Arm, Long, Gray 120-000206-02 912400136644 5ymmetric Louver, 1219 mm (4 ft) 120-000202-03 912400135852 Masking Shield, 1219 mm (4 ft) 120-000203-03 912400135860 Graze Glare Shield, 1220 mm (4 ft) 120-000081-03 910503700748 120-000190-07 912400133691 nground Enclosure, Outer Box for 1219 mm (4 ft) luminaire 120-000190-06 912400133690 Power Supplies Data Enabler Pro, 3/4 in / 1/2 in NPT (U.S. trade size conduit) 106-00004-00 910503701210	Architectural Mounting Arm, Short, Gray	120-000206-00	912400136642
Symmetric Louver, 1219 mm (4 ft) 120-000202-03 912400135852 Masking Shield, 1219 mm (4 ft) 120-000203-03 912400135860 Graze Glare Shield, 1220 mm (4 ft) 120-000081-03 910503700748 Inground Enclosure, Outer Box for 1219 mm (4 ft) luminaire 120-000190-07 912400133691 Inground Enclosure, Inner Box for 1219 mm (4 ft) luminaire 120-000190-06 912400133690 Power Supplies Data Enabler Pro, 3/4 in / 1/2 in NPT (U.S. trade size conduit) 106-000004-00 910503701210	Architectural Mounting Arm, Medium, Gray	120-000206-01	912400136643
Wasking Shield, 1219 mm (4 ft) 120-000203-03 912400135860 Graze Glare Shield, 1220 mm (4 ft) 120-000081-03 910503700748 Inground Enclosure, Outer Box for 1219 mm (4 ft) luminaire 120-000190-07 912400133691 Inground Enclosure, Inner Box for 1219 mm (4 ft) luminaire 120-000190-06 912400133690 Power Supplies Data Enabler Pro, 3/4 in / 1/2 in NPT (U.S. trade size conduit) 106-000004-00 910503701210	Architectural Mounting Arm, Long, Gray	120-000206-02	912400136644
Graze Glare Shield, 1220 mm (4 ft) 120-000081-03 910503700748 Inground Enclosure, Outer Box for 1219 mm (4 ft) luminaire 120-000190-07 912400133691 Inground Enclosure, Inner Box for 1219 mm (4 ft) luminaire 120-000190-06 912400133690 Power Supplies Data Enabler Pro, 3/4 in / 1/2 in NPT (U.S. trade size conduit) 106-000004-00 910503701210	Symmetric Louver, 1219 mm (4 ft)	120-000202-03	912400135852
Inground Enclosure, Outer Box for 1219 mm (4 ft) luminaire 120-000190-07 912400133691 Inground Enclosure, Inner Box for 1219 mm (4 ft) luminaire 120-000190-06 912400133690 Power Supplies Data Enabler Pro, 3/4 in / 1/2 in NPT (U.S. trade size conduit) 106-000004-00 910503701210	Masking Shield, 1219 mm (4 ft)	120-000203-03	912400135860
Power Supplies 120-000190-06 912400133690 Data Enabler Pro, 3/4 in / 1/2 in NPT (U.S. trade size conduit) 106-000004-00 910503701210	Graze Glare Shield, 1220 mm (4 ft)	120-000081-03	910503700748
Power Supplies 106-000004-00 910503701210	Inground Enclosure, Outer Box for 1219 mm (4 ft) luminaire	120-000190-07	912400133691
Data Enabler Pro, 3/4 in / 1/2 in NPT (U.S. trade size conduit) 106-000004-00 910503701210	Inground Enclosure, Inner Box for 1219 mm (4 ft) luminaire	120-000190-06	912400133690
	Power Supplies		
Data Enabler Pro, PG21/PG13 (metric size conduit) 106-00004-01 910503701211	Data Enabler Pro, 3/4 in / 1/2 in NPT (U.S. trade size conduit)	106-00004-00	910503701210
	Data Enabler Pro, PG21/PG13 (metric size conduit)	106-00004-01	910503701211

