

CRYODYNAMICS POWER FEED CABLES

5000 & 8000 Volts and $\pm 200^{\circ}\text{C}$

600 Volts and $\pm 200^{\circ}\text{C}$

ARMOR

SST 302 #30 AWG,
Round Wire Basket
Weave 90% Coverage

JACKET

Fused PTFE Tape

SHEATH

PTFE - Coated Glass Braid

DIELECTRIC

Multi-layered PTFE Tapes

SEMI-CONDUCTIVE PTFE TAPES

CONDUCTOR

Flexible Stranded Tinned Copper

ARMOR

SST 302 #30 AWG, Round Wire Basket
Weave 90% Coverage

JACKET

Multilayered, Sintered PTFE Tapes

SHEATH

PTFE - Coated Glass Braid

DIELECTRIC

Multi-layered
PTFE Tape

CONDUCTOR

Flexible Stranded
Tinned Copper

The Cryodynamics High Voltage Power feed Cables are stainless steel armor-braided, flexible power supply cables for equipment submerged in liquefied gases.

AVAILABLE SIZES: SPECIFICATIONS

SIZE AWG/KCMIL	STRANDING	OUTSIDE DIAMETER (OD)		WEIGHT (LB./FT.)	AMPS PER SINGLE CONDUCTOR @ AMBIENT TEMP.	
		CONDUCTOR	ARMOR		77°F (25°C)	-256°F (-160°C)

RATED TO 600 VOLTS AND $\pm 200^{\circ}\text{C}$

4	19x7/.0179	.265	.394/.435	.237	230	330
2	19x7/.0223	.336	.447/.494	.317	306	439
1/0	37x7/.0202	.415	.546/.603	.494	417	598
2/0	37x7/.0227	.467	.595/.658	.595	488	700
3/0	37x7/.0255	.526	.651/.720	.723	571	819
4/0	37x7/.0286	.591	.713/.788	.882	658	943
250	37x7/.0311	.653	.772/.853	1.026	732	1050

RATED TO 5000 VOLTS AND $\pm 200^{\circ}\text{C}$

2	19x7/.0223	.336	.715/.765	.545	217	425
2/0	37x7/.0227	.477	.850/.910	.850	342	671
4/0	37x7/.0286	.610	.965/1.035	1.170	456	895

RATED TO 8000 VOLTS AND $\pm 200^{\circ}\text{C}$

2	19x7/.0223	.336	.820/.880	.670	222	436
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Minimum bend radius = 12 x O.D. Dimensions are in inches.



Certified by Underwriters Laboratories
E129750 Power Feed Cable for liquefied Gas,
-200° C to +200° C, 600 volt, 5000 volt, 8000 volt



Certified to ISO 9001-1994



EBARA INTERNATIONAL CORPORATION • CRYODYNAMICS DIVISION

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