POWER KABEL INC.

TYPE MC-COPPER CONDUCTORS 600V
INSTRUMENTATION CABLE XLPE AIA PVC

APPLICATIONS & FEATURES

XLPE/AIA/PVC 600V Instrumentation Cables provide an excellent crush resistance and a cost effective alternative to installations in conduit as well as being Sunlight, Oil and Chemical resistant. They are suitable for control, instrumentation and process control circuits, where protection against electrostatic interference from both outside of the cable and from pair to pair is needed. The cables are suitable for wet or dry applications, direct burial, indoor or outdoor locations, installed in cable trays, ducts, aerially or conduits and for applications up to 600 volt and temperatures up to 90°C. The cables are suitable for use in Class 1 Division 2 Hazardous locations per NEC.

INDUSTRY COMPLIANCES

UL Type MC
IEEE 1202/UL 1581 (FT-4) 70,000 BTU/hr Flame Test
ICEA T-29-520 210,000 BTU/hr Flame Test
ICEA S-73-532, where applicable
Meets cold bend test at -40°C

CONSTRUCTION

CONDUCTORS:	Fully annealed bare copper Class B compressed strand per ASTM Standards
INSULATION:	Cross-linked Polyethylene (XLPE)
SHIELD:	FFE Aluminum/Mylar Tape with 100% coverage on each pair or triad, with an overall Aluminum/Mylar Tape with 100% coverage with a stranded tinned copper drain wire in contact with all shields
INNER JACKET	Polyvinyl Chloride (PVC), black
ARMOR:	Aluminum Interlocked Armor (AIA)
JACKET:	Flame and sunlight resistant Polyvinyl Chloride (PVC), black, with ripcord

AWG/No OF STRANDS	No of PAIRS	No of TRIADS	INSULATION THICKNESS (INCHES)	INNER JACKET THICKNESS (INCHES)	OUTER JACKET THICKNESS (INCHES)	OVERALL DIAMETER (INCHES)	NET WEIGHT (LBS/1000 FT)
18/7 STR	1		0.03	0.04	0.05	0.622	167
18/7 STR	2		0.03	0.04	0.05	0.67	209
18/7 STR	4		0.03	0.05	0.05	0.896	362
16/7 STR	1		0.03	0.04	0.05	0.644	185
16/7 STR	2		0.03	0.04	0.05	0.814	275
16/7 STR	4		0.03	0.05	0.05	0.958	421
16/7 STR	8		0.03	0.05	0.05	1.12	615
16/7 STR	12		0.03	0.05	0.05	1.324	815
16/7 STR	24		0.03	0.05	0.06	1.691	1359
16/7 STR		1	0.03	0.04	0.05	0.661	205

All values are nominal and subject to correction