



Product Description

PASP Cable is a solid insulated, double jacket, armored air core design intended for use in outside cable plant where a greater risk of physical damage exists. The inner jacket provides protection to the cable core in the event of severe damage to the outer protective sheath.

Applications

- Pressurized direct buried installations in harsh environments

Features

- Tightly controlled individual conductor dimensions
- Specially designed pair twist lays
- Core wrap
- Inner polyethylene jacket
- Aluminum tape shield
- Steel tape armor bonded to outer jacket
- Polyethylene jacket

Benefits

- Limits resistance unbalance of paired conductors
- Minimizes crosstalk and meets the capacitance unbalance requirements
- Protects the core and provides core-to-shield dielectric strength
- Provides additional protection against mechanical damage and prevents the ingress of moisture
- Assures good electrical contact with non-piercing bonding clamps
- Protects the core from mechanical damage and reduces the possibility of tape buckling during installation, ingress of water to the aluminum shield and of water along the cable between the armor and outer jacket
- Provides a tough, flexible, protective covering that withstands exposure to sunlight, atmospheric temperatures, ground chemicals and stresses expected in standard installations

Specifications

Conductor	Solid annealed copper
Insulation	Conductors are insulated with solid polyolefin in distinctive colors to facilitate pair identification
≤ 25-Pair Core	Pairs are combined into a cylindrical core
> 50-Pair Core	Multiples of 25-pair groups are assembled to form the final cable core; each group is identified by color coded non-hygroscopic binders; for 1,200-pair and larger, the color code is a Mirror Image design
Core Wrap	Non-hygroscopic dielectric material
Inner Jacket	Polyethylene
Shield	Corrugated bare 8 mil aluminum tape applied longitudinally over the inner jacket
Armor	Corrugated, copolymer coated, 6 mil steel tape applied over the aluminum shield; armor is bonded to the outer jacket
Outer Jacket	Black polyethylene
Jacket Marking	Manufacturer's identification, pair count, AWG, product identification, sequential footage and a telephone handset printed at 2 foot intervals
Standards Compliance	Telcordia GR-421-CORE Issue 2 RoHS-compliant

Electrical Specifications

Number of Pairs	Average Mutual Capacitance @ 1000 Hz nF/mile (nF/km)	Capacitance Unbalance Pair to Pair @ 1 kHz		Capacitance Unbalance Pair to Ground @ 1 kHz	
		Maximum Individual pF @ 1 kft (pF @ 1 km)	Maximum RMS pF @ 1 kft (pF @ 1 km)	Maximum Individual pF @ 1 kft (pF @ 1 km)	Maximum Average pF @ 1 kft (pF @ 1 km)
Over 12	83 ± 4 (52 ± 2)	80 (145)	25 (45)	800 (2,625)	175 (574)

Conductor Size AWG (mm)	Minimum Insulation Resistance @ 68°F (20°C) gigohm-mile (gigohm-km)	Maximum Average Attenuation 772 kHz @ 68°F (20°C) dB/kft (dB/km)	Maximum Conductor Resistance @ 68°F (20°C) Ohms/sheath mile (km)	DC Resistance Unbalance Maximum %		Dielectric Strength DC Potential – Volts	
				Average	Individual Pair	Conductor to Conductor	Conductor to Shield
19 (0.90)	1.0 (1.6)	3.3 (10.8)	45 (28.0)	1.5	5.0	5,000	20,000
22 (0.64)	1.0 (1.6)	4.7 (15.4)	91 (56.5)	1.5	5.0	4,000	20,000
24 (0.51)	1.0 (1.6)	5.9 (19.4)	144 (89.5)	1.5	5.0	3,000	20,000
26 (0.40)	1.0 (1.6)	7.4 (24.3)	232 (144.2)	1.5	5.0	2,400	20,000

Minimum Near End Crosstalk (NEXT) @ 772 kHz

PSWUNEXT Mean (dB)	47
PSWUNEXT Worst Pair (dB)	42

Minimum Far End Crosstalk (FEXT) @ 772 kHz

Conductor Size (AWG)	19	22	24	26
PSELFEXT Mean (dB/kft)	51	49	49	47
PSELFEXT Worst Pair (dB/kft)	45	43	43	43

Part Numbers and Physical Characteristics

Part Number	Product Code	Pair Count	AWG (mm)	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Standard Length ft (m)	Approx. Shipping Weight lbs (kg)	Steel Reel Size F x T x D in
120-031-05	BHBH	25	19 (0.90)	0.89 (23)	415 (620)	10,000 (3,048)	4,945 (2,245)	83 x 40 x 42
120-034-05	BHBH	50	19 (0.90)	1.13 (29)	705 (1,050)	5,000 (1,524)	4,320 (1,960)	83 x 40 x 42
120-038-05	BHBH	100	19 (0.90)	1.50 (38)	1,280 (1,905)	3,300 (1,006)	5,020 (2,275)	83 x 40 x 42
120-062-05	BHAH	25	22 (0.64)	0.72 (18)	260 (385)	15,000 (4,572)	4,695 (2,130)	83 x 40 x 42
120-065-05	BHAH	50	22 (0.64)	0.90 (23)	425 (630)	10,000 (3,048)	5,045 (2,290)	83 x 40 x 42
120-069-05	BHAH	100	22 (0.64)	1.15 (29)	715 (1,065)	7,500 (2,286)	6,160 (2,795)	83 x 40 x 42
120-073-05	BHAH	200	22 (0.64)	1.54 (39)	1,300 (1,935)	3,750 (1,143)	5,670 (2,570)	83 x 40 x 42
120-075-05	BHAH	300	22 (0.64)	1.83 (47)	1,865 (2,775)	3,300 (1,006)	6,950 (3,150)	83 x 40 x 42
120-077-05	BHAH	400	22 (0.64)	2.05 (52)	2,405 (3,580)	2,000 (610)	5,605 (2,540)	83 x 40 x 42
120-081-05	BHAH	600	22 (0.64)	2.48 (63)	3,515 (5,230)	1,250 (381)	5,190 (2,355)	83 x 40 x 42
120-083-05	BHAH	900	22 (0.64)	2.96 (75)	5,110 (7,605)	1,100 (335)	6,415 (2,910)	83 x 40 x 42
120-097-05	BKMH	25	24 (0.51)	0.63 (16)	195 (290)	20,000 (6,096)	4,695 (2,130)	83 x 40 x 42
120-100-05	BKMH	50	24 (0.51)	0.76 (19)	300 (445)	13,300 (4,054)	4,785 (2,170)	83 x 40 x 42
120-104-05	BKMH	100	24 (0.51)	0.97 (25)	500 (745)	10,000 (3,048)	5,795 (2,630)	83 x 40 x 42
120-108-05	BKMH	200	24 (0.51)	1.24 (32)	860 (1,280)	6,600 (2,012)	6,470 (2,935)	83 x 40 x 42
120-110-05	BKMH	300	24 (0.51)	1.49 (38)	1,240 (1,845)	4,400 (1,341)	6,250 (2,835)	83 x 40 x 42
120-112-05	BKMH	400	24 (0.51)	1.68 (43)	1,595 (2,375)	3,300 (1,006)	6,060 (2,750)	83 x 40 x 42
120-116-05	BKMH	600	24 (0.51)	1.99 (51)	2,290 (3,410)	2,500 (762)	6,520 (2,955)	83 x 40 x 42
120-118-05	BKMH	900	24 (0.51)	2.38 (61)	3,335 (4,965)	1,600 (488)	6,130 (2,780)	83 x 40 x 42
120-120-05	BKMH	1,200	24 (0.51)	2.72 (69)	4,355 (6,480)	1,100 (335)	5,585 (2,535)	83 x 40 x 42
120-121-05	BKMH	1,500	24 (0.51)	2.99 (76)	5,350 (7,960)	1,100 (335)	6,680 (3,030)	83 x 40 x 42
120-124-05	BKMH	1,800	24 (0.51)	3.25 (83)	6,340 (9,435)	800 (244)	5,865 (2,660)	83 x 40 x 42
120-145-05	BKTH	300	26 (0.40)	1.20 (31)	820 (1,220)	6,600 (2,012)	6,205 (2,815)	83 x 40 x 42
120-147-05	BKTH	400	26 (0.40)	1.40 (36)	1,075 (1,600)	5,000 (1,524)	6,170 (2,800)	83 x 40 x 42
120-151-05	BKTH	600	26 (0.40)	1.64 (42)	1,520 (2,260)	3,300 (1,006)	5,810 (2,635)	83 x 40 x 42
120-153-05	BKTH	900	26 (0.40)	1.93 (49)	2,175 (3,235)	2,600 (792)	6,450 (2,925)	83 x 40 x 42
120-155-05	BKTH	1,200	26 (0.40)	2.20 (56)	2,845 (4,235)	2,200 (671)	7,055 (3,200)	83 x 40 x 42
120-156-05	BKTH	1,500	26 (0.40)	2.45 (62)	3,490 (5,195)	1,600 (488)	6,380 (2,895)	83 x 40 x 42
120-157-05	BKTH	1,800	26 (0.40)	2.66 (68)	4,135 (6,155)	1,300 (396)	6,170 (2,800)	83 x 40 x 42
120-158-05	BKTH	2,100	26 (0.40)	2.85 (72)	4,770 (7,100)	1,140 (347)	6,235 (2,825)	83 x 40 x 42
120-159-05	BKTH	2,400	26 (0.40)	3.05 (80)	5,465 (8,141)	1,100 (335)	7,012 (3,183)	83 x 40 x 42
120-161-05	BKTH	2,700	26 (0.40)	3.18 (81)	6,015 (8,950)	1,140 (347)	7,650 (3,470)	83 x 40 x 42