IN

POLYPROPYLENE INSULATED AND PVC SHEATHED CABLES

APPLICATION

For connecting subscriber equipment inside the building.

CONSTRUCTION

Conductor: 0.5 or 0.65 mm annealed copper.

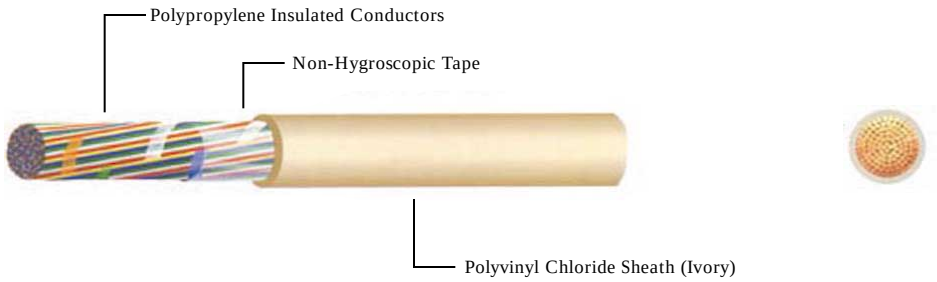
Insulation: Polypropylene.

Pairs: Two insulated conductors twisted.

Lay-up: Cables are formed in unit construction.

Core-covering: Non-hygroscopic tape.

Sheath: Polyvinyl chloride (Ivory).



ELECTRICAL CHARACTERISTICS AT 20°C

	Conductor size (mm)	0.5	0.65
Conductor resistance, maximum	Ω/km	92.0	58.0
Mutual capacitance at 1,000 Hz, maximum average	µF/km	0.070	0.070
Dielectric strength between conductor (2 seconds)	kVde	1.0	1.0
Insulation resisitance, minimum	MΩ-km	1,600	1,600

PD WIRE & CABLE
A unit of Phelps Dodge Corporation

Corporate Headquarters
806 Douglas Rd., Suite 800
Coral Gables, FL 33134
Toll Free U.S. (866) 842-0533
(305) 648-8000 FAX: (305) 648-8002

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Conductor (mm)	Number of Pairs	PHELPS DODGE TYPE LETTER	Nominal Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Approximate Overall Diameter (mm)	Approximate Cable Weight (kg/km)	Standard Length (m)
0.5	3	24 IN 003	0.2	0.9	6.0	28	500/C
(24 AWG)	4	24 IN 004	0.2	0.9	6.5	35	500/C
	5	24 IN 005	0.2	0.9	7.0	40	500/C
	6	24 IN 006	0.2	0.9	7.0	46	500/C
	8	24 IN 008	0.2	0.9	7.5	57	500/C
	10	24 IN 010	0.2	0.9	8.5	68	500/C
	12	24 IN 012	0.2	0.9	8.5	79	500/C
	15	24 IN 015	0.2	0.9	9.5	94	500/R
	16	24 IN 016	0.2	0.9	9.5	100	500/R
	18	24 IN 018	0.2	0.9	10.0	110	500/R
	20	24 IN 020	0.2	0.9	10.5	120	500/R
	25	24 IN 025	0.2	0.9	11.0	145	500/R
	30	24 IN 030	0.2	0.9	12.0	171	500/R
	40	24 IN 040	0.2	1.2	14.0	236	500/R
	50	24 IN 050	0.2	1.2	15.5	286	500/R
	60	24 IN 060	0.2	1.2	16.5	335	500/R
	75	24 IN 075	0.2	1.4	18.5	423	500/R
	100	24 IN 100	0.2	1.4	21.0	544	500/R
	150	24 IN 150	0.2	1.4	24.0	787	500/R
	200	24 IN 200	0.2	1.8	28.0	1,069	500/R
	300	24 IN 300	0.2	2.0	33.5	1,587	500/R
	400	24 IN 400	0.2	2.2	38.5	2,100	500/R

C = Packing in coil.
R = Packing in reel.

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Conductor (mm)	Number of Pairs	PHELPS DODGE TYPE LETTER	Nominal Insulation Thickness (mm)	Nominal Sheath Thickness (mm)	Approximate Overall Diameter (mm)	Approximate Cable Weight (kg/km)	Standard Length (m)
0.65	3	22 IN 003	0.25	0.9	7.0	39	500/C
(22 AWG)	4	22 IN 004	0.25	0.9	7.5	48	500/C
	5	22 IN 005	0.25	0.9	8.0	57	500/C
	6	22 IN 006	0.25	0.9	8.0	66	500/C
	8	22 IN 008	0.25	0.9	9.0	83	500/C
	10	22 IN 010	0.25	0.9	9.5	99	500/C
	12	22 IN 012	0.25	0.9	10.5	115	500/C
	15	22 IN 015	0.25	0.9	11.0	139	500/R
	16	22 IN 016	0.25	0.9	11.5	147	500/R
	18	22 IN 018	0.25	0.9	12.0	163	500/R
	20	22 IN 020	0.25	1.2	13.5	193	500/R
	25	22 IN 025	0.25	1.2	14.5	233	500/R
	30	22 IN 030	0.25	1.2	15.5	275	500/R
	40	22 IN 040	0.25	1.4	18.0	366	500/R
	50	22 IN 050	0.25	1.4	19.5	444	500/R
	60	22 IN 060	0.25	1.4	21.0	522	500/R
	75	22 IN 075	0.25	1.4	22.5	363	500/R
	100	22 IN 100	0.25	1.4	25.5	831	500/R
	150	22 IN 150	0.25	1.8	31.0	1,250	500/R
	200	22 IN 200	0.25	2.0	35.0	1,654	500/R
	300	22 IN 300	0.25	2.4	42.5	2,491	500/R
	400	22 IN 400	0.25	2.6	48.5	3,288	500/R

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