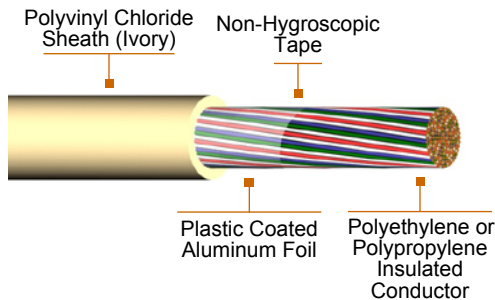


Telephone and Communication Cables IN-A: Polyethylene or Polypropylene Insulated and PVC Sheathed communication cables with Aluminum Foil



Detail Description or Construction

Conductor

0.5, 0.65 and 0.9 mm solid annealed copper.

Insulation

Polyethylene or Polypropylene.

Pairs

Two insulated conductors twisted.

Lay-up

Twisted pairs concentrically stranded.

Core-covering

Non-hygroscopic tape.

Shield

Drain wire and plastic coated aluminum foil. Thickness 0.01 mm (min.) wrapped on with overlap.

Sheath

Polyvinyl chloride (Ivory).

Application

For connecting subscriber equipment inside the building where there is interfering noise caused by other electrical equipment.

Standards / Testing Specifications

TOT (Telephone Organization of Thailand)

Marking

PHELPS DODGE size IN-A No. of pair.

Installation

IN-A cable can be used for connecting subscriber equipment inside the building where there is interfering noise caused by other electrical equipment. It is recommended that the installation instructions indicated by the Local Electric Code, or any equivalent, be followed, so that the safe guarding of persons and the integrity of the product will not be affected by deficiencies in the installation.

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ELECTRICAL CHARACTERISTICS @ 20°C

		mm	0.5	0.65	0.9
	Conductor Size	mm	0.5	0.65	0.9
Conductor Resistance	Maximum	Ω / km	92.0	58.0	29.0
Mutual Capacitance @ 1000 Hz	Maximum Average	μF / km	0.098	0.098	0.098
Dielectric Strength between Conductor	2 seconds	kVdc	1.0	1.0	1.0
Insulation Resistance	Minimum	MW - km	1,600	1,600	1,600



IN-A

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Conductor mm	Number of Pairs	Phelps Dodge Type Letter	Nominal Insulation Thickness	Nominal Sheath Thickness	Approximate Overall Diameter	Approximate Cable Weight	Standard Length m
			mm	mm	mm	kg / km	
0.5 (24 AWG)	10	24 IN-A 010	0.2	1.2	9.5	80	500/R
	12	24 IN-A 012	0.2	1.2	10.0	90	500/R
	15	24 IN-A 015	0.2	1.2	10.5	110	500/R
	16	24 IN-A 016	0.2	1.2	10.5	120	500/R
	20	24 IN-A 020	0.2	1.2	11.5	140	500/R
	25	24 IN-A 025	0.2	1.2	12.5	160	500/R
	30	24 IN-A 030	0.2	1.4	13.5	200	500/R
	40	24 IN-A 040	0.2	1.4	15.0	250	500/R
50	24 IN-A 050	0.2	1.4	16.0	300	500/R	
0.65 (22 AWG)	6	22 IN-A 006	0.25	1.2	9.5	80	500/R
	8	22 IN-A 008	0.25	1.2	10.0	100	500/R
	10	22 IN-A 010	0.25	1.2	11.0	120	500/R
	12	22 IN-A 012	0.25	1.2	11.5	130	500/R
	15	22 IN-A 015	0.25	1.2	12.0	160	500/R
	16	22 IN-A 016	0.25	1.2	12.5	170	500/R
	20	22 IN-A 020	0.25	1.4	14.0	210	500/R
	25	22 IN-A 025	0.25	1.4	15.0	250	500/R
	30	22 IN-A 030	0.25	1.4	16.0	290	500/R
	40	22 IN-A 040	0.25	1.6	18.0	390	500/R
50	22 IN-A 050	0.25	1.6	19.5	460	500/R	
100	22 IN-A 100	0.25	1.8	26.0	870	500/R	



IN-A

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Conductor	Number of Pairs	Phelps Dodge Type Letter	Nominal Insulation Thickness	Nominal Sheath Thickness	Approximate Overall Diameter	Approximate Cable Weight	Standard Length
mm			mm	mm	mm	kg / km	m
0.9	3	19 IN-A 003	0.3	1.2	9.5	80	500/R
(19 AWG)	4	19 IN-A 004	0.3	1.2	10.0	100	500/R
	5	19 IN-A 005	0.3	1.2	11.0	120	500/R
	6	19 IN-A 006	0.3	1.2	11.5	140	500/R
	8	19 IN-A 008	0.3	1.2	12.5	170	500/R
	10	19 IN-A 010	0.3	1.4	14.0	210	500/R
	12	19 IN-A 012	0.3	1.4	15.0	240	500/R
	15	19 IN-A 015	0.3	1.4	16.0	290	500/R
	16	19 IN-A 016	0.3	1.4	16.5	310	500/R
	20	19 IN-A 020	0.3	1.4	18.0	370	500/R
	25	19 IN-A 025	0.3	1.6	20.0	470	500/R
	30	19 IN-A 030	0.3	1.6	21.5	550	500/R
	40	19 IN-A 040	0.3	1.8	24.5	720	500/R
	50	19 IN-A 050	0.3	1.8	26.5	880	500/R

R = Packing in reel