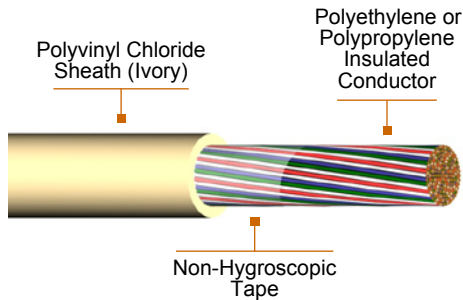


Telephone and Communication Cables IN: Polyethylene or Polypropylene Insulated and PVC Sheathed cables



### Detail Description or Construction

**Conductor**

0.5 or 0.65 mm solid annealed copper.

**Insulation**

Polyethylene or Polypropylene.

**Pairs**

Two insulated conductors twisted.

**Lay-up**

Cables are formed in unit construction.

**Core-covering**

Non-hygroscopic tape.

**Sheath**

Polyvinyl chloride (Ivory).

### Application

For connecting subscriber equipment inside the building.

### Standards / Testing Specifications

- TOT (Telephone Organization of Thailand)

### Marking

**PHELPS DODGE Size IN No. of pair.**

### Installation

IN cable can be used for connecting subscriber equipment inside the building. 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

	Conductor Size	mm	0.5	0.65
Conductor Resistance	Maximum	Ω / km	92.0	58.0
Mutual Capacitance @ 1000 Hz	Maximum Average	μF / km	0.07	0.07
Dielectric Strength between Conductor	2 seconds	kV - dc	1.0	1.0
Insulation Resistance	Minimum	MΩ - km	1,600	1,600



# IN

## Telephone and Communication Cables IN: Polyethylene or Polypropylene Insulated and PVC Sheathed cables

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
0.5	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 006	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



# IN

## Telephone and Communication Cables IN: Polyethylene or Polypropylene Insulated and PVC Sheathed cables

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	kg / km	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	636	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

C = Packing in coil  
R = Packing in reel