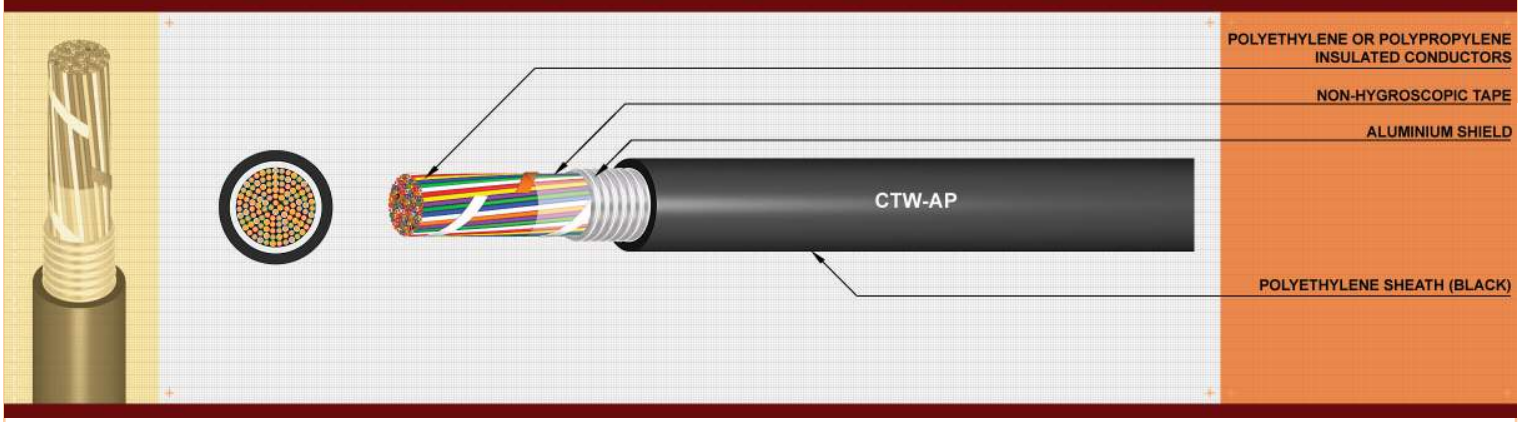
# CHAROONG THAI WIRE & CABLE PUBLIC COMPANY LIMITED

## CABLE TYPE : **CTW - AP**

**TELEPHONE AND COMMUNICATION CABLE ALPETH SHEATHED CABLE (AP)**




### APPLICATION

Intended primary for aerial use. Also, suitable for short, non-pressurized runs in industrial duct and conduct.

### CONSTRUCTION

| | |
|---|---|
| **Conductor** | Size: 0.4, 0.5, 0.65, and 0.9 mm. , solid annealed copper. |
| **Insulation** | Solid hight density polyethylene or polyproplylene. and colour code in accordance with telephone standard. |
| **Twisted pair** | Individual conductor twisted into pairs with varying twist to minimize crosstalk, and specified colour combinations to provide pair identification. |
| **Core assembly** | Assembly in unit, each individually identified by colour code units binders. (Unit construction for cables more than 25 pairs. Concentric for cables up to 25 pairs) |
| **Core Wrap** | Non-hygroscopic dielectric tape applied longitudinally with an overlap. |
| **Shielding system** | Plastic coated aluminum tape. covered by corrugated bare thickness 0.2 mm. Laid on with overlap., applied longitudinally over the core wrap. |
| **Sheath** | Black, low density polyethylene. |

**Identification** : Manufacture's name, year of manufacture, Type of cable, Size and number of pair.

**Marking Length** : Option.

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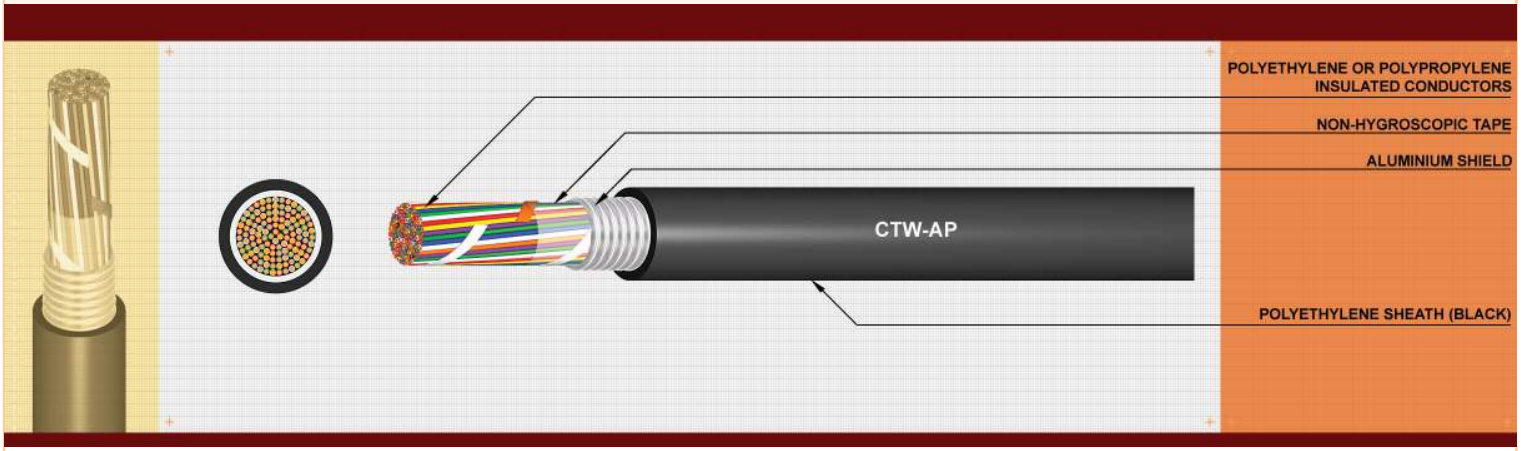


**T Y P E : A P**

| **C T W - A P (0.4 mm)** | | Number of pair | Nominal insulation thickness | Nominal sheath thickness | Approximate overall diameter | Approximate cable weight | Standard length |
|---|---|---|---|---|---|---|---|
| PRODUCT Code | **SIZE** (mm.) | | (mm.) | (mm.) | (mm.) | (kg/km.) | (m.) |
| T11040005 | 0.4 | 5 | 0.16 | 1.5 | 9.5 | 95 | 1,000/R |
| T11040006 | | 6 | 0.16 | 1.5 | 9.8 | 100 | 1,000/R |
| T11040010 | | 10 | 0.16 | 1.5 | 10.8 | 115 | 1,000/R |
| T11040012 | | 12 | 0.16 | 1.5 | 11.2 | 120 | 1,000/R |
| T11040015 | | 15 | 0.16 | 1.5 | 11.8 | 135 | 1,000/R |
| T11040020 | | 20 | 0.16 | 1.5 | 12.6 | 150 | 1,000/R |
| T11040025 | | 25 | 0.16 | 1.5 | 13.4 | 170 | 1,000/R |
| T11040030 | | 30 | 0.16 | 1.5 | 14.0 | 185 | 1,000/R |
| T11040040 | | 40 | 0.16 | 1.5 | 15.3 | 220 | 1,000/R |
| T11040050 | | 50 | 0.16 | 1.5 | 16.3 | 255 | 1,000/R |
| T11040100 | | 100 | 0.16 | 1.5 | 20.3 | 420 | 1,000/R |
| T11040150 | | 150 | 0.16 | 1.5 | 23.4 | 580 | 500/R |
| T11040200 | | 200 | 0.16 | 1.5 | 26.0 | 740 | 500/R |
| T11040300 | | 300 | 0.16 | 1.8 | 31.0 | 1,080 | 500/R |
| T11040400 | | 400 | 0.16 | 1.8 | 34.6 | 1,390 | 500/R |
| T11040600 | | 600 | 0.16 | 2.0 | 41.2 | 2,040 | 500/R |
| T11040900 | | 900 | 0.16 | 2.3 | 49.4 | 3,000 | 500/R |

C = Packing in coil
R = Packing in reel

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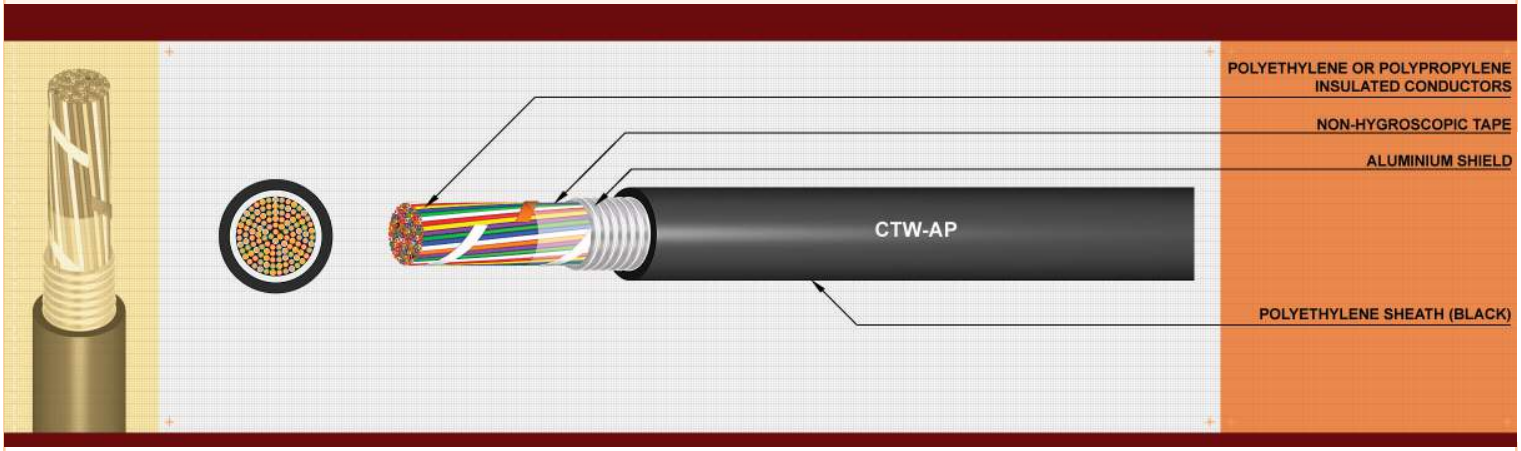


**T Y P E : A P**

| **C T W - A P (0.5 mm)** | | Number of pair | Nominal insulation thickness | Nominal sheath thickness | Approximate overall diameter | Approximate cable weight | Standard length |
|---|---|---|---|---|---|---|---|
| PRODUCT Code | **SIZE** (mm.) | | (mm.) | (mm.) | (mm.) | (kg/km.) | (m.) |
| T11050005 | 0.5 | 5 | 0.21 | 1.5 | 10.5 | 105 | 1,000/R |
| T11050006 | | 6 | 0.21 | 1.5 | 10.8 | 110 | 1,000/R |
| T11050010 | | 10 | 0.21 | 1.5 | 12.0 | 135 | 1,000/R |
| T11050012 | | 12 | 0.21 | 1.5 | 12.6 | 150 | 1,000/R |
| T11050015 | | 15 | 0.21 | 1.5 | 13.3 | 165 | 1,000/R |
| T11050020 | | 20 | 0.21 | 1.5 | 14.4 | 195 | 1,000/R |
| T11050025 | | 25 | 0.21 | 1.5 | 15.3 | 220 | 1,000/R |
| T11050030 | | 30 | 0.21 | 1.5 | 16.0 | 250 | 1,000/R |
| T11050040 | | 40 | 0.21 | 1.5 | 17.6 | 300 | 1,000/R |
| T11050050 | | 50 | 0.21 | 1.5 | 19.0 | 350 | 1,000/R |
| T11050100 | | 100 | 0.21 | 1.5 | 24.0 | 610 | 1,000/R |
| T11050150 | | 150 | 0.21 | 1.8 | 28.7 | 890 | 500/R |
| T11050200 | | 200 | 0.21 | 1.8 | 32.0 | 1,140 | 500/R |
| T11050300 | | 300 | 0.21 | 2.0 | 38.0 | 1,660 | 500/R |
| T11050400 | | 400 | 0.21 | 2.0 | 42.8 | 2,150 | 500/R |
| T11050150 | | 600 | 0.21 | 2.3 | 51.4 | 3,180 | 350/R |
| T11050900 | | 900 | 0.21 | 2.3 | 61.5 | 4,690 | 250/R |



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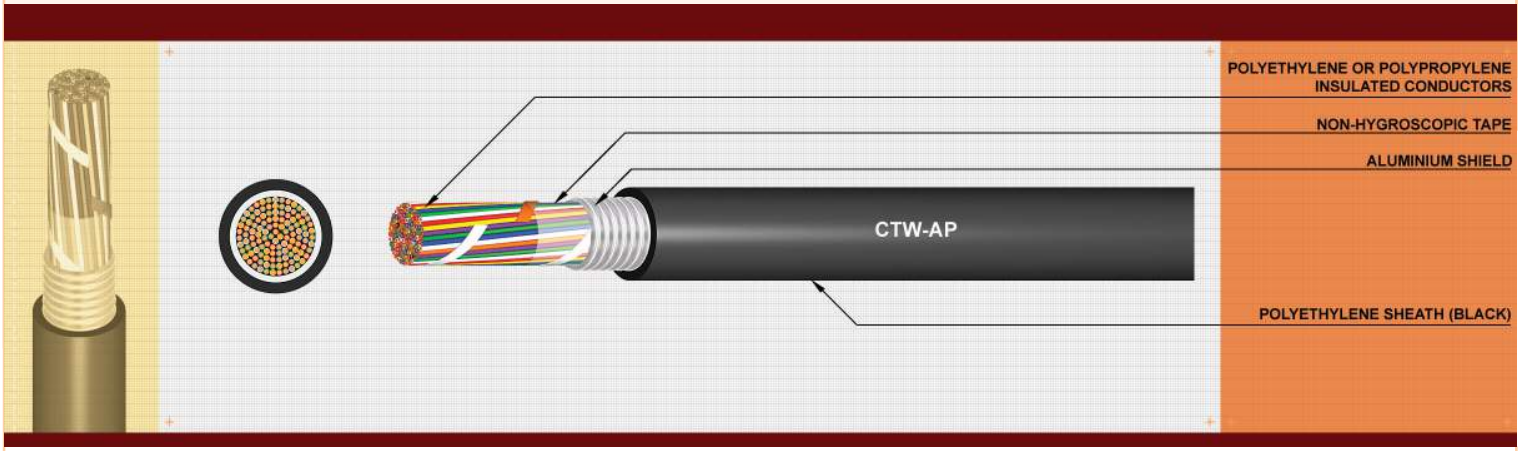


**T Y P E : A P**

| **C T W - A P (0.65 mm)** | | Number of pair | Nominal insulation thickness | Nominal sheath thickness | Approximate overall diameter | Approximate cable weight | Standard length |
|---|---|---|---|---|---|---|---|
| PRODUCT Code | **SIZE** (mm.) | | (mm.) | (mm.) | (mm.) | (kg/km.) | (m.) |
| T11060005 | 0.65 | 5 | 0.25 | 1.5 | 11.4 | 125 | 1,000/R |
| T11060006 | | 6 | 0.25 | 1.5 | 12.0 | 130 | 1,000/R |
| T11060010 | | 10 | 0.25 | 1.5 | 13.5 | 165 | 1,000/R |
| T11060012 | | 12 | 0.25 | 1.5 | 14.0 | 185 | 1,000/R |
| T11060015 | | 15 | 0.25 | 1.5 | 15.0 | 205 | 1,000/R |
| T11060020 | | 20 | 0.25 | 1.5 | 16.5 | 255 | 1,000/R |
| T11060025 | | 25 | 0.25 | 1.5 | 17.6 | 295 | 1,000/R |
| T11060030 | | 30 | 0.25 | 1.5 | 17.8 | 335 | 1,000/R |
| T11060040 | | 40 | 0.25 | 1.5 | 20.7 | 420 | 1,000/R |
| T11060050 | | 50 | 0.25 | 1.5 | 22.2 | 500 | 1,000/R |
| T11060100 | | 100 | 0.25 | 1.8 | 29.5 | 820 | 500/R |
| T11060150 | | 150 | 0.25 | 1.8 | 34.4 | 1,315 | 500/R |
| T11060200 | | 200 | 0.25 | 2.0 | 39.0 | 1,725 | 500/R |
| T11060300 | | 300 | 0.25 | 2.3 | 46.7 | 2,545 | 350/R |
| T11060400 | | 400 | 0.25 | 2.3 | 52.7 | 3,315 | 250/R |
| T11060600 | | 600 | 0.25 | 2.5 | 63.0 | 4,485 | 250/R |

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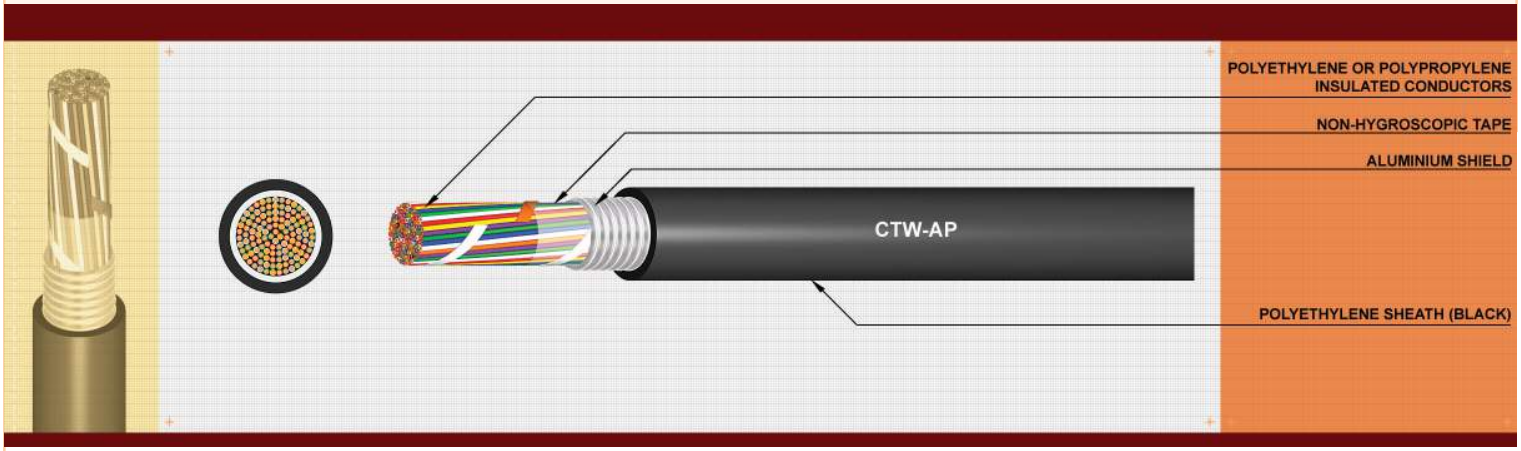


**T Y P E : A P**

| **C T W - A P (0.9 mm)** | | Number of pair | Nominal insulation thickness | Nominal sheath thickness | Approximate overall diameter | Approximate cable weight | Standard length |
|---|---|---|---|---|---|---|---|
| PRODUCT Code | **SIZE** (mm.) | | (mm.) | (mm.) | (mm.) | (kg/km.) | (m.) |
| T11090005 | 0.9 | 5 | 0.30 | 1.5 | 13.5 | 165 | 1,000/R |
| T11090006 | | 6 | 0.30 | 1.5 | 14.2 | 185 | 1,000/R |
| T11090010 | | 10 | 0.30 | 1.5 | 16.4 | 250 | 1,000/R |
| T11090012 | | 12 | 0.30 | 1.5 | 17.4 | 285 | 1,000/R |
| T11090015 | | 15 | 0.30 | 1.5 | 18.7 | 335 | 1,000/R |
| T11090020 | | 20 | 0.30 | 1.5 | 20.5 | 415 | 1,000/R |
| T11090025 | | 25 | 0.30 | 1.5 | 22.0 | 490 | 1,000/R |
| T11090030 | | 30 | 0.30 | 1.5 | 23.7 | 570 | 1,000/R |
| T11090040 | | 40 | 0.30 | 1.5 | 26.4 | 725 | 1,000/R |
| T11090050 | | 50 | 0.30 | 1.8 | 29.3 | 905 | 500/R |
| T11090100 | | 100 | 0.30 | 2.0 | 39.0 | 1,695 | 500/R |
| T11090150 | | 150 | 0.30 | 2.3 | 46.6 | 2,495 | 500/R |
| T11090200 | | 200 | 0.30 | 2.3 | 52.6 | 3,225 | 500/R |
| T11090300 | | 300 | 0.30 | 2.5 | 63.0 | 4,795 | 250/R |
| T11090400 | | 400 | 0.30 | 2.8 | 72.0 | 6,355 | 250/R |

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