

Aerial Drop Wire "figur-8" Flat Type



Application: Drop Wire is installed overhead between aerial distribution points and subscriber premises.

General Specification: American National Standard Institution ANSI/ICEA S-89-648-993

Conductor: Copper Cladded Steel Wire with 40% Conductivity conforming to ASTM B 452 Hard Drawn Copper Conforming to ASTM B1

Insulation: Extruded in the form of "Figure 8" Flat type with:

1. HDPE conforming to ASTM D 1248, Type III, Class C, Category 4 or 5, Grade E8, or
2. Black PVC Flame Retardant Compound conforming to BS EN 50363-4-1 Type TM-1

ELECTRICAL AND TRANSMISSION CHARACTERISTICS

CHARACTERISTIC	UNIT	HIGH DENSITY POLYETHYLENE (HDPE)				FLAME RETARDANT PVC			
		COPPER CLAD STEEL WIRE		HARD DRAWN COPPER WIRE		COPPER CLAD STEEL WIRE		HARD DRAWN COPPER WIRE	
		0.8 mm	1.0 mm	0.8 mm	1.0 mm	0.8 mm	1.0 mm	0.8 mm	1.0 mm
Conductor Resistance (Maximum)	Ω/Km	92.0	80.3	36.0	24.0	92.0	80.3	36.0	24.0
Resistance Unbalance (Maximum)	%	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
Insulation Resistance (Minimum)	M.Ω.Km	10000	10000	10000	10000	500	500	500	500
Di-Electric Strength	DC V	3000	5000	3000	5000	2000	4000	2000	4000
Mutual Capacitance (Maximum)	nF/Km	50	60	50	60	120	130	120	130
Breaking Load (Minimum)	N	1000	1200	300	500	1000	1200	300	500

COPPER CLAD STEEL WIRE WITH HIGH DENSITY POLYETHYLENE (HDPE)

ITEM CODE	NUMBER OF CONDUCTORS	CONDUCTOR DIAMETER (mm)	DIMENSION MAJOR X MINOR (mm)	APPROXIMATE WEIGHT (Kg/Km)	STANDARD LENGTH (M)
TLDW-PEF8-08CC	2	0.80	5.8 X 3.0	22.5	250
TLDW-PEF8-10CC	2	1.00	6.5 X 3.5	30.0	250

COPPER CLAD STEEL WIRE WITH FLAME RETARDANT PVC

ITEM CODE	NUMBER OF CONDUCTORS	CONDUCTOR DIAMETER (mm)	DIMENSION MAJOR X MINOR (mm)	APPROXIMATE WEIGHT (Kg/Km)	STANDARD LENGTH (M)
TLDW-PVCF8-08CC	2	0.80	5.4 X 2.5	24.0	250
TLDW-PVCF8-10CC	2	1.00	6.5 X 3.5	41	250

HARD DRAWN COPPER WITH HIGH DENSITY POLYETHYLENE (HDPE)

ITEM CODE	NUMBER OF CONDUCTORS	CONDUCTOR DIAMETER (mm)	DIMENSION MAJOR X MINOR (mm)	APPROXIMATE WEIGHT (Kg/Km)	STANDARD LENGTH (M)
TLDW-PEF8-08HDC	2	0.80	5.8 X 3.0	22.5	250
TLDW-PEF8-10HDC	2	1.00	6.1 X 3.0	29.0	250

Aerial Drop Wire "figur-8" Flat Type



HARD DRAWN COPPER WITH FLAME RETARDANT PVC

ITEM CODE	NUMBER OF CONDUCTORS	CONDUCTOR DIAMETER (mm)	DIMENSION MAJOR X MINOR (mm)	APPROXIMATE WEIGHT (Kg/Km)	STANDARD LENGTH (M)
TLDW-PVCF8-08HDC	2	0.80	5.4 X 2.5	32.0	250
TLDW-PVCF8-10HDC	2	1.00	6.1 X 3.0	39.0	250

AERIAL DROP WIRE "ROUND"

Application: Drop wire shall be used for outdoor installation between and aerial distribution point and the subscriber's terminal box.

Conductor: Solid annealed plain copper wire conforming to ASTM B 3.

Insulation: Each conductor shall be insulated with the solid layer of high density polyethylene conforming to ASTM D 1248, TYPE III, Category 4 & 5, Grade E8 or E9.

Insulation color: ONE PAIR: White & Blue.

TWO PAIR (QUAD): Blue, Orange, Green and Brown.

Assembly: Single pair drop wire two insulated conductors uniformly twisted together to form a pair. Two pair drop wire consists of four insulated conductors uniformly twisted together to form a quad.

Strength member: Armed cords, high tensile strength, high Young's modulus & low elongation strength members are embedded into the sheath to prevent the wire s and the sheath from being stressed during installation, service, operation and maintenance.

Sheath: Black Linear Low Density Polyethylene conforming to ASTM D 1248, TYPE 1 or 2, CLASS C Category 4 or 5, Grade J3.

AVAILABLE CABLE SPECIFICATIONS

PRODUCT NUMBER	NUMBER OF PAIRS	CONDUCTOR DIAMETER (mm)	DIAMETER (mm) (MAXIMUM)	APPROXIMATE WEIGHT (KG/KM)	STANDARD LENGTH M
TL-RDW0105	1	0.50	5.1	20.5	250
TL-RDW0205	2	0.50	5.3	25.0	250
TL-RDW0108	1	0.80	5.8	30.0	250
TL-RDW0208	2	0.80	6.0	41.0	250

ELECTRICAL AND TRANSMISSION CHARACTERISTICS

CHARACTERISTICS	UNIT	0.05 mm	0.80 mm
Conductor Resistance (Maximum)	Ω/Km	95.0	37.0
Resistance Unbalance (Maximum)	%	2.0	2.0
Insulation Resistance (Minimum)	MΩ.KM	10000	1000
Dielectric Strength	DC V	3000	3000
Mutual Capacitance (Maximum)	nF/Km	55	55
Breaking Load (Minimum)	Newton	1300	1300