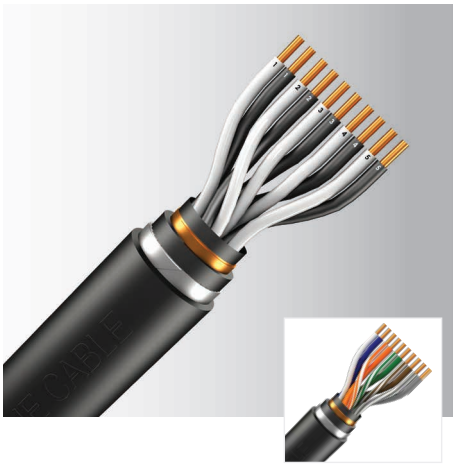
Pilot Cables

KEYSTONE CABLE
tel (65) 6367 0107 fax (65) 6365 2963
www.keystone-cable.com

0.6/1(1.2)kV Multi-Pair
PE Insulated, Armoured, PVC Sheathed Cable
Description: CU/PE/CTS/PE/DSTA/PVC-AT



Application :	Pilot cables associated with power distribution and transmission system are used for control, protection, signaling, speech and data transmission purposes. Such systems are mainly operated by the electricity providers
Voltage rating :	0.6/1(1.2)KV
	15KV (Max. induced voltage)
Construction :	Annealed plain copper solid (Class 1) conductor, solid polyethylene insulated, twisted pairs, non-hygroscopic and non-wicking dielectric material and polyethylene tape applied over the cable assembly, copper tape screened, polyethylene bedding, double steel tape armoured and extruded PVC or anti-termite PVC compound sheath
Insulation colour:	Black, White with numbering (For colour coded cables, please refer to table 32 on page 48)
Specification :	IEC60502-1
Operating temperature:	70˚C

Part No.		Nominal Cross Sectional Area	No. of Pairs	Approx. Conductor Diam.	Nominal Insulation Thickness	Nom. Thickness of Steel Tape	Approx. Overall Diameter of Cable	Approx. Weight of Cable
Black/White	**Colour Code**	mm²	No.	mm	mm	mm	mm	kg/km
735P5001	**735P5002**	1.5	5	1.38	0.8	0.2	23.8	715.0
730P5001	**730P5002**		10	1.38	0.8	0.2	30.5	1105.0
73EP5001	**73EP5002**		15	1.38	0.8	0.2	34.6	1430.0
73KP5001	**73KP5002**		20	1.38	0.8	0.2	38.0	1740.0
745P5001	**745P5002**	2.5	5	1.78	0.8	0.2	25.6	865.0
740P5001	**740P5002**		10	1.78	0.8	0.2	33.5	1400.0
74EP5001	**74EP5002**		15	1.78	0.8	0.2	37.9	1845.0
74KP5001	**74KP5002**		20	1.78	0.8	0.5	42.9	2655.0

Related Test Requirement:

Conductor Cross Sectional Area	Max. Conductor Resistance* at 20˚C	Min. Insulation Resistance	Max. Mutual Capacitance	Max. Capacitance Unbalance	High Voltage Test for 1min
mm²	Ω/km	MΩ•km	nF/km	pF/500m	kV(AC)
1.5	12.3	5000	150	500	10
2.5	7.56	5000	150	500	10

*Note : For multi-pair cables, the maximum D.C. resistance shall be increased by 2%.

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Table 31: Recommended ordering parameters

In order to respond to your requirement promptly, please provide the following information in your request for quotation:

No,	Information
1	International or Special Standard (Alternatively, please provide the precise use of the cable for our technical team to make the recommendation)
2	Rated voltage
3	Copper or aluminium conductors
4	Size of each conductor
5	Insulation material: XLPE or others
6	Number and identification of conductors
7	Armour type
8	Packing
9	Required delivery time
10	Required validity

Table 32: Identification of pairs for pilot cable

Pair	A - wire	B - wire	Pair	A - wire	B - wire
1	White	Blue	11	Black	Blue/black stripe
2	White/orange stripe	Orange	12	Black/orange stripe	Orange/black stripe
3	White/green stripe	Green	13	Black/green stripe	Green/black stripe
4	White/brown stripe	Brown	14	Black/brown stripe	Brown/black stripe
5	White/grey stripe	Grey	15	Black/grey stripe	Grey/black stripe
6	Red	Blue/red stripe	16	Yellow	Blue/yellow stripe
7	Red/orange stripe	Orange/red stripe	17	Yellow/orange stripe	Orange/yellow stripe
8	Red/green stripe	Green/red stripe	18	Yellow/green stripe	Green/yellow stripe
9	Red/brown stripe	Brown/red stripe	19	Yellow/brown stripe	Brown/yellow stripe
10	Red/grey stripe	Grey/red stripe	20	Yellow/grey stripe	Grey/yellow stripe