

Pilot Cables (Customized Alternatives)

0.6/1(1.2)kV Multi-Pair

XLPE Insulated, Armoured, PVC Sheathed Cable

Description: CU/XLPE/PVC/SWA/PVC-AT

Model code: XPSP-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 companies
Voltage rating :	0.6/1(1.2)KV
Construction :	Annealed plain copper solid (Class 1) conductor, cross linked polyethylene(XLPE) insulated, twisted pairs, non-hygroscopic tape applied over the cable assembly, black PVC bedding, galvanised steel wires 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:	90°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	mm ²	No.	mm	mm	mm	mm	kg/km
735P6423	1.5	5	1.38	0.7	1.25	22.4	875.0
730P6423		10	1.38	0.7	1.6	29.3	1475.0
73EP6423		15	1.38	0.7	1.6	32.9	1830.0
73KP6423		20	1.38	0.7	2.0	37.5	2480.0
745P6423	2.5	5	1.78	0.7	1.6	25.0	1185.0
740P6423		10	1.78	0.7	1.6	32.2	1820.0
74EP6423		15	1.78	0.7	2.0	37.6	2625.0
74KP6423		20	1.78	0.7	2.0	41.2	3125.0

Related Test Requirement:

Conductor Cross Sectional Area	Max. Conductor Resistance at 20°C	Min. Insulation Resistance	Max. Mutual Capacitance	Max. Capacitance Unbalance	Breakdown Test Voltage for 2 Seconds
mm ²	Ω/km	MΩ•km	nF/km	pF/500m	kV(DC)
1.5	12.3	1000	150	40	3.5
2.5	7.56	1000	150	60	3.5