

التاريخ :

المرفقات :

Technical Specifications for multiple Sizes of Cables

No	YM spec.	ITEM	Req.
1	50 mm ²	Type	Class 5 (Flexible Conductor)
		Model	
		Name of manufacturer	
		country of origin	
		Date of manufacture	
		Insulator Color	1500m(blue)+1500m(black)
		rated voltage V	600/1000 V
		no. of cores	1
		Number of strands and diameter of strands mm	
		Conductor material	Copper
		Diameter of conductor mm	
		Material of Insulation	PVC
		thickness of insulation mm	at least 1.2 mm
		Material of over sheath.	PVC
		overall diameter of cable	
		max operating temp. °C	at least 80 °C
		Maximum Electrical Stress	
		length per drum (m)	at least 1000
		weight kg/km	
Maximum conductor resistance at 20°C per km			
Maximum allowable conductor temperature at full load and short circuit conditions (°C)			
STANDARDS			
2	35 mm ²	Type	Class 5 (Flexible Conductor)
		Model	
		Name of manufacturer	
		country of origin	
		Date of manufacture	
		Insulator Color	1500m(blue)+1500m(black)
		rated voltage V	600/1000 V
		no. of cores	1
		Number of strands and	

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		diameter of strands mm	
		Conductor material	Copper
		Diameter of conductor mm	
		Material of Insulation	PVC
		thickness of insulation mm	at least 1.2 mm
		Material of over sheath.	PVC
		overall diameter of cable	
		max operating temp. °C	at least 80 °C
		Maximum Electrical Stress	
		length per drum (m)	at least 1000
		weight kg/km	
		Maximum conductor resistance at 20°C per km	
		Maximum allowable conductor temperature at full load and short circuit conditions (°C)	
		STANDARDS	
3	4x16 mm ²	Type	Class 5 (Flexible Conductor)
		Model	
		Name of manufacturer	
		country of origin	
		Date of manufacture	
		rated voltage V	600/1000 V
		no. of cores	4
		conductor diameter mm	
		No. of peice / diameter mm	
		Conductor material	Copper
		Material of Insulation	PVC
		thickness of insulation mm	at least 0.8 mm
		Material of sheath	PVC
		thickness of sheath mm	at least 1.7 mm
		overall diameter of cable mm	
		current rating in the air (A)	
		current rating under ground (A)	
		Maximum conductor resistance at 20°C per km	
		Maximum allowable conductor temperature at full load and short circuit conditions (°C)	

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		weight kg/km	
		STANDARDS	
4	4x10 mm ²	Type	Class 5 (Flexible Conductor)
		Model	
		Name of manufacturer	
		country of origin	
		Date of manufacture	
		rated voltage V	600/1000 V
		no. of cores	4
		conductor diameter mm	
		Conductor material	Copper
		No. of peice / diameter mm	
		Material of Insulation	PVC
		thickness of insulation mm	at least 0.8 mm
		Material of sheath	PVC
		thickness of sheath mm	at least 1.7 mm
		overall diameter of cable mm	
		current rating in the air (A)	
		current rating under ground (A)	
		Maximum conductor resistance at 20°C per km	
		Maximum allowable conductor temperature at full load and short circuit conditions (°C)	
		weight kg/km	
		STANDARDS	

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Annex(1)

NO	Item	Specifications	Unit	QTY
1	Copper Power Cables (Strands-flexible Conductor)4*16mm ²	CU/PVC/PVC	m	3000
2	Copper Power Cables (Strands-flexible Conductor)4*10mm ²	CU/PVC/PVC	m	2000
3	Copper Power Cables (Strands-blue insulator)1*50mm ²	CU/PVC/PVC	m	1500
4	Copper Power Cables (Strands-black insulator)1*50mm ²	CU/PVC/PVC	m	1500
5	Copper Power Cables (Strands-blue insulator)1*35mm ²	CU/PVC/PVC	m	1500
6	Copper Power Cables (Strands-black insulator)1*35mm ²	CU/PVC/PVC	m	1500