

ITEM No.:		Rev :	0		
TYPE:	NYRY	Customer/Project :			
SIZE:	3 x 25 + 16	mm2	Project No./Title :		
ITEM	Description	Unit	Specification		
1	Reference standard		IEC 60502		
2	Rated Voltage U0/U(Um)	kV	0.6/1(1.2)		
3	No. of Core		4		
4	Conductor	Material	Annealed Copper		
		Size	Phase	25	
			Null	16	
			Earth	0	
		Diameter	mm	5.9	
		Class		2 (Stranded)	
Shape		Round			
5	Insulation	Material	PVC		
		Thickness	mm	Nominal	1.2 & 1
		Colour			As Request
6	Inner sheath	Material	PVC		
		Thickness	mm	Nominal	1
7	Diameter under armour	mm	Approx	21.12	
8	Armour	Material		Galvanized Steel wire armour	
		Diameter of wire	mm	Nominal	1.6
9	Diameter over Armour	mm	Approx	24.32	
10	Outer sheath	Material		PVC*	
		Thickness	mm	Nominal	1.8
		Colour			Black
11	Overall dia of completed cable	mm	Approx	27.9	
12	Weight of completed cable	kg / km	Approx	2008	
13	Standard Drum length	m	Approx	1000	
14	Minimum bending radius after installation	mm	Approx	335	
15	Marking	Manufacture Name. YEAR IEC 60502 SIZE mm2 0.6/1 kV NYRY METER			
Electrical / Mechanical Properties					
16	DC Conductor Resistant at 20 °C	Ω / km	Max	0.727	
17	Maximum allowable pulling tension	kN	Max	7.0	
18	Inductance	mH / Km	Max	0.32	
19	AC Resistant at 70 °C, 50Hz	Ω / km	Max	0.89	
20	AC Reactance at 70 °C, 50Hz	Ω / km	Max	0.10	
21	Capacitance	μF / km	Max	0.65	
22	Short circuit current for conductor at 1 sec	kA		2.9	
23	Current Carrying Capacity According to IEC 60364-5-52	A	In the Ground 20 °C	92	
		A	Free Air 30 °C	101	

Flame Retardant : IEC 60332-1-2

UV Resistant : UL 1581 Section 1200

The diameter and weight data are approximate and subject to manufacturing Tolerance.

ITEM No.:		Rev :	0	
TYPE:	NYRY	Customer/Project :		
SIZE:	3 x 70 + 35	mm2	Project No./Title :	
ITEM	Description	Unit	Specification	
1	Reference standard		IEC 60502	
2	Rated Voltage U0/U(Um)	kV	0.6/1(1.2)	
3	No. of Core		4	
4	Conductor	Material	Annealed Copper	
		Size	Phase	70
			Null	35
			Earth	0
		Diameter	mm	W=12.5 & H=8.8
		Class		2 (Stranded)
Shape		Sector		
5	Insulation	Material	PVC	
		Thickness	mm	Nominal 1.4 & 1.2
		Colour		As Request
6	Core wrap	Material	PP Tape	
7	Inner sheath	Material	PVC	
		Thickness	mm	Nominal 1.2
8	Diameter under armour	mm	Approx 30.44	
9	Armour	Material	Galvanized Steel wire armour	
		Diameter of wire	mm	Nominal 2
10	Diameter over Armour	mm	Approx 34.44	
11	Outer sheath	Material	PVC*	
		Thickness	mm	Nominal 2.2
		Colour		Black
12	Overall dia of completed cable	mm	Approx 38.8	
13	Weight of completed cable	kg / km	Approx 4136	
14	Standard Drum length	m	Approx 500	
15	Minimum bending radius after installation	mm	Approx 466	
16	Marking	Manufacture Name. YEAR IEC 60502 SIZE mm2 0.6/1 kV NYRY METER		
Electrical / Mechanical Properties				
17	DC Conductor Resistant at 20 °C	Ω / km	Max 0.268	
18	Maximum allowable pulling tension	kN	Max 13.5	
19	Inductance	mH / Km	Max 0.29	
20	AC Resistant at 70 °C, 50Hz	Ω / km	Max 0.33	
21	AC Reactance at 70 °C, 50Hz	Ω / km	Max 0.09	
22	Capacitance	μF / km	Max 0.99	
23	Short circuit current for conductor at 1 sec	kA	----- 8.1	
24	Current Carrying Capacity According to IEC 60364-5-52	A	In the Ground 20 °C 162	
		A	Free Air 30 °C 196	

Flame Retardant : IEC 60332-1-2

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ITEM No.:		Rev :	0		
TYPE:	NYRY	Customer/Project :			
SIZE:	3 x 185 + 95	mm2	Project No./Title :		
ITEM	Description	Unit	Specification		
1	Reference standard		IEC 60502		
2	Rated Voltage U0/U(Um)	kV	0.6/1(1.2)		
3	No. of Core		4		
4	Conductor	Material	Annealed Copper		
		Size	Phase	185	
			Null	95	
			Earth	0	
		Diameter	mm	W=22 & H=14.6	
		Class		2 (Stranded)	
Shape		Sector			
5	Insulation	Material	PVC		
		Thickness	mm	Nominal	2 & 1.6
		Colour			As Request
6	Core wrap	Material	PP Tape		
7	Inner sheath	Material	PVC		
		Thickness	mm	Nominal	1.4
8	Diameter under armour	mm	Approx	45.04	
9	Armour	Material		Galvanized Steel wire armour	
		Diameter of wire	mm	Nominal	2.5
10	Diameter over Armour	mm	Approx	50.04	
11	Core wrap	Material		PP Tape	
12	Outer sheath	Material		PVC*	
		Thickness	mm	Nominal	2.8
		Colour			Black
13	Overall dia of completed cable	mm	Approx	56.1	
14	Weight of completed cable	kg / km	Approx	9533	
15	Standard Drum length	m	Approx	500	
16	Minimum bending radius after installation	mm	Approx	673	
17	Marking	Manufacture Name. YEAR IEC 60502 SIZE mm2 0.6/1 kV NYRY METER			
Electrical / Mechanical Properties					
18	DC Conductor Resistant at 20 °C	Ω / km	Max	0.0991	
19	Maximum allowable pulling tension	kN	Max	28.3	
20	Inductance	mH / Km	Max	0.28	
21	AC Resistant at 70 °C, 50Hz	Ω / km	Max	0.12	
22	AC Reactance at 70 °C, 50Hz	Ω / km	Max	0.09	
23	Capacitance	μF / km	Max	1.12	
24	Short circuit current for conductor at 1 sec	kA	.....	21.3	
25	Current Carrying Capacity According to IEC 60364-5-52	A	In the Ground 20 °C	278	
		A	Free Air 30 °C	364	

Flame Retardant : IEC 60332-1-2

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ITEM No.:		Rev :	0		
TYPE:	NYRY	Customer/Project :			
SIZE:	4 x 10	mm2	Project No./Title :		
ITEM	Description	Unit	Specification		
1	Reference standard		IEC 60502		
2	Rated Voltage U0/U(Um)	kV	0.6/1(1.2)		
3	No. of Core		4		
4	Conductor	Material	Annealed Copper		
		Size	Phase	10	
			Null	0	
			Earth	0	
		Diameter	mm	4.05	
Class		2 (Stranded)			
5	Insulation	Shape	Round		
		Material	PVC		
		Thickness	mm	Nominal	1
6	Inner sheath	Colour	As Request		
		Material	PVC		
7	Diameter under armour	Thickness	mm	Nominal	1
		Diameter	mm	Approx	16.64
8	Armour	Material			Galvanized Steel wire armour
		Diameter of wire	mm	Nominal	1.25
9	Diameter over Armour	mm	Approx	19.14	
10	Outer sheath	Material			PVC*
		Thickness	mm	Nominal	1.8
		Colour			Black
11	Overall dia of completed cable	mm	Approx	22.7	
12	Weight of completed cable	kg / km	Approx	1191	
13	Standard Drum length	m	Approx	1000	
14	Minimum bending radius after installation	mm	Approx	272	
15	Marking	Manufacture Name. YEAR IEC 60502 SIZE mm2 0.6/1 kV NYRY METER			
Electrical / Mechanical Properties					
16	DC Conductor Resistant at 20 °C	Ω / km	Max	1.83	
17	Maximum allowable pulling tension	kN	Max	4.6	
18	Inductance	mH / Km	Max	0.33	
19	AC Resistant at 70 °C, 50Hz	Ω / km	Max	2.23	
20	AC Reactance at 70 °C, 50Hz	Ω / km	Max	0.10	
21	Capacitance	μF / km	Max	0.55	
22	Short circuit current for conductor at 1 sec	kA		1.2	
23	Current Carrying Capacity According to IEC 60364-5-52	A	In the Ground 20 °C	54	
		A	Free Air 30 °C	60	

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