

**0.6/1 kV PVC INSULATED
LIST OF GUARANTEED CHARACTERISTICS**



CUSTOMER :
NO. :
GOODS NO. OF. CUSTOMER :
FILE NO. :

GUARANTEED

1. Producer	:	HES HACILAR ELEKTRİK SAN. VE TİC. A.Ş.
2. Cable Code	:	YVV-R(NYY-O)
3. Applied Standards	:	IEC 60502-1
4. Rated Voltage (U0/U _m)	(kV) :	0.6/1
5. Cross-sectional Area	(mm ²) :	1x50RM
6. Conductor		
a)Material	:	Electrolytic Copper
b)Number of Wires	:	10± 1
c)Type of Stranding	:	Circular(Compacted)
d)Outer Diameter of strand	(mm) :	8,05 ±0,5
7. Current Carrying Capacity at 20 °C		
a)In Air (Ambient Temperature 45 °C)	(A) :	206
b)Under Ground at a depth of 70 cm (ground temperature) 20 °C, ground thermal resistance 1,0 km/W)	(A) :	230
8. Conductor DC Resistance at 20 °C (max.)	(Ω/km) :	0,387
9. Maximum Continuous Conductor Temperature	(°C) :	70
10. Conductor AC Resistance at 70 °C	(Ω/km) :	0,46
11. Dielectric Losses (at 20 °C)	(kw/km) :	35,5
12. Maximum Temperature of Conductor at SC Condition	(°C) :	160
13. Maximum Short-Circuit Current for 1 second	(kA) :	5,75
14. Type Of Insulation Material	:	PVC
15. Nominal Thickness Of Insulation	(mm) :	1,4
16. Diameter of Concentric Wires (*)	(mm) :	-
17. Width (*) & Thickness or Diameter of Armour Wires (*)	(mm) :	-
18. Thickness of Zinc Coating of Armour Wires (min.)	(g/mm ²) :	-
19. Nominal Thickness Of Outer Sheath	(mm) :	1,4 (PVC Antitermide)
20. Outer Diameter of Cable (With Tolerance)	(mm) :	14 ± 1
21. Weight of Cable (**)	(kg/km) :	560
22. Weight of Steel (**)	(kg/km) :	-
23. Weight of Copper (**)	(kg/km) :	407
24. Minimum Bending Radius	(mm) :	168
25. Lowest Laying Temperature	(°C) :	+3
26. Drums	:	HES 100
. Flange (Wheel) Diameter	(mm) :	1000
. Barrel Diameter	(mm) :	500
. Barrel Length	(mm) :	620
. Outside Width	(mm) :	720
. Length of Cable (*)	(m) :	1000
27. Gross(**) & Net Weight(**)	(kg) :	675 560
28. Core Coluer	:	Black
29. Outher Sheath Color	:	Black
28. Cabo Marking (Ink-jet)	:	HES YVV-R (NYY-O) 1X50RM mm ² 0,6/1 kV IEC 60502-1 04 2012 meter
30. Drum Marking	:	Producer-Length-Cable Code-Rated Voltage-Cross-sectional Area

* : ± 5 % tolerance is acceptable for these values

** : ± 2 % tolerance is acceptable for these values

DATE
20.04.2012

