

**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)(Um)	(kV) :	0,6/1	
5. Cross-sectional Area	(mm ²) :	1x50	
6. Conductor			
a)Material	:	Electrolytic Copper	
b)Number of Wires	:	19 ±1	
c)Type of Stranding	:	Circular (non compacted)	
d)Outer Diameter of strand	(mm) :	9,1	± 0,5
7. Current Carrying Capacity at 20 °C			
a)In Air (Ambient Temperature 30 °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) :	0,4629	
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 Insulation	(mm) :	11,9 ± 1	
17. Nominal Thickness Of Filler	(mm) :	-	
18. Diameter of Filler	(mm) :	-	
19. Type Of Inner Sheath Material	:	-	
20. Nominal Thickness Inner Sheath	(mm) :	-	
21. Diameter of Inner Sheath	(mm) :	-	
22. Number & Diameter of Concentric Wires	(mm) :	-	
23. Thickness or Diameter of Armour Tape(*)	(mm) :	-	
24. Thickness of Zinc Coating of Armour Wires (Min.)	(g/mm ²) :	-	
25. Type Of Outer Sheath Material	:	PVC (ANTİTERMİDE)	
26. Nominal Thickness Of Outer Sheath	(mm) :	1,4	
27. Outer Diameter of Cable (With Tolerance)	(mm) :	14 ± 1	
28. Weight of Cable (**)	(kg/km) :	600	
29. Weight of Armour (**)	(kg/km) :	-	
30. Weight of Copper (**)	(kg/km) :	445	
31. Minimum Bending Radius	(mm) :	168	
32. Lowest Laying Temperature	(°C) :	+3	
33. 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	
34. Gross(**) & Net Weight(**)	(kg) :	715	600
35. Core Coluer	:	Black	
36. Outher Sheath Color	:	Black	
Cablo Marking (Ink-jet)	:	HES YVV-R (NYY-O) 1X50 mm ² 0,6/1 kV IEC 60502-1 11 2011 meter	
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
26.07.2012

