

**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 <sub>m</sub> )	(kV)	: 0.6/1
5. Cross-sectional Area	(mm <sup>2</sup> )	: 1x300 RM
6. Conductor		
a)Material	:	Electrolytic Copper
b)Number of Wires	:	60 ±1
c)Type of Stranding	:	Circular(Compacted)
d)Outer Diameter of strand	(mm)	: 20,40 ±0,5
7. Current Carrying Capacity at 20 °C		
a)In Air (Ambient Temperature 45 °C)	(A)	: 710
b)Under Ground at a depth of 70 cm (ground temperature) 20 °C, ground thermal resistance 1,0 km/W)	(A)	: 820
8. Conductor DC Resistance at 20 °C (max.)	(Ω/km)	: 0,0601
9. Maximum Continuous Conductor Temperature	(°C)	: 70
10. Conductor AC Resistance at 70 °C	(Ω/km)	: 0,07
11. Dielectric Losses (at 20 °C)	(kw/km)	: 70,0
12. Maximum Temperature of Conductor at SC Condition	(°C)	: 160
13. Maximum Short-Circuit Current for 1 second	(kA)	: 34,50
14. Type Of Insulation Material	:	PVC
15. Nominal Thickness Of Insulation	(mm)	: 2,4
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 <sup>2</sup> )	: -
19. Nominal Thickness Of Outer Sheath	(mm)	: 1,9
20. Outer Diameter of Cable (With Tolerance)	(mm)	: 29 ± 3
21. Weight of Cable (**)	(kg/km)	: 3100
22. Weight of Steel (**)	(kg/km)	: -
23. Weight of Copper (**)	(kg/km)	: 2600
24. Minimum Bending Radius	(mm)	: 348
25. Lowest Laying Temperature	(°C)	: +3
26. Drums	:	HES 150
. Flange (Wheel) Diameter	(mm)	: 1500
. Barrel Diameter	(mm)	: 750
. Barrel Length	(mm)	: 900
. Outside Width	(mm)	: 1120
. Length of Cable (*)	(m)	: 1000
27. Gross(**) & Net Weight(**)	(kg)	: 3450      3100
28. Core Coluer	:	Black
29. Outher Sheath Color	:	Black
28. Cabo Marking (Ink-jet)	:	HES YVV-R (NYY-O) 1X300RM mm <sup>2</sup> 0,6/1 kV IEC 60502-1 09 2011 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  
17.04.2012

