

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

CUSTOMER : IMAN CO.  
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/Um)	(kV) :	0.6/1
5. Cross-sectional Area	(mm <sup>2</sup> ) :	3x16+10RM
6. Conductor		
a)Material	:	Electrolytic Copper
b)Number of Wires	:	7±1 / 7±1
c)Type of Stranding	:	Circular(Compacted)
d)Outer Diameter of strand	(mm) :	4,9 / 3,9 ±0,5
7. Current Carrying Capacity at 20 °C		
a)In Air (Ambient Temperature 30 °C)	(A) :	80
b)Under Ground at a depth of 70 cm (ground temperature) 20 °C, ground thermal resistance 1,0 km/W)	(A) :	98
8. Conductor DC Resistance at 20 °C (max.)	(Ω/km) :	1,15
9. Maximum Continuous Conductor Temperature	(°C) :	70
10. Conductor AC Resistance at 70 °C	(Ω/km) :	1,3754
11. Dielectric Losses (at 20 °C)	(kw/km) :	19,1
12. Maximum Temperature of Conductor at SC Condition	(°C) :	160
13. Maximum Short-Circuit Current for 1 second	(kA) :	1,84
14. Type Of Insulation Material	:	PVC
15. Nominal Thickness Of Insulation	(mm) :	1,0 / 1,0
16. Diameter of Concentric Wires (*)	(mm) :	-
17. Width (*) & Thickness or Diameter of Armour Wires (*)	(mm) :	-
18. Type Of outer sheath Material	:	PVC
19. Nominal Thickness Of Outer Sheath	(mm) :	1,8
20. Outer Diameter of Cable (With Tolerance)	(mm) :	22 ± 2
21. Weight of Cable (*)	(kg/km) :	1000
22. Weight of Steel (*)	(kg/km) :	-
23. Weight of Copper (*)	(kg/km) :	490
24. Minimum Bending Radius	(mm) :	264
25. Lowest Laying Temperature	(°C) :	+3
26. Drums	:	HES 130
. Flange (Wheel) Diameter	(mm) :	1300
. Barrel Diameter	(mm) :	650
. Barrel Length	(mm) :	700
. Outside Width	(mm) :	800
. Length of Cable (*)	(m) :	1000
27. Gross(*) & Net Weight(*)	(kg) :	1200            1000
28. Core Coluer	:	Brown-Black-Grey-Blue
29. Outher Sheath Color	:	Black
28. Cablo Marking (Ink-jet)	:	HES KABLO YVV-R (NYY-O) 3X16+10RM mm <sup>2</sup> 0,6/1 kV IEC 60502-1 06 2014 meter
30. Drum Marking	:	Producer-Length-Cable Code-Rated Voltage-Cross-sectional Area

\* : ± 5 % tolerance is acceptable for these values

DATE  
01.07.2014

