



NUHAS OMAN LLC
TECHNICAL PARTICULAR
PVC INSULATED SINGLE CORE WIRE

No.: TP/SCW/H07VR/STD/02

Date: 12/01/2013

DESCRIPTION	UNIT	1 x 630 mm ²
1. General		
Voltage grade	V	450/750
Ref. Standard		BS EN 50525-2-31
Cable type		CU/PVC
Harmonized code		H07V-R
No. of core	no.	1
Nom. Cross sectional area	mm ²	630
Max. operating temperature	deg.c	70
2. Conductor		
Material		Annealed plain Copper
Class (BS EN 60228)		Class 2
Shape of conductor		Round
No. & nom. diameter of strands	nos/mm	61/3.68
Diameter of Conductor, nom	mm	30.0
3. Insulation		
Material (BS EN 50363-3:2005)		PVC TI-1
Thickness, nom	mm	2.8
Cable diameter, nom	mm	35.7
Cable diameter, max	mm	41.1
4. Weight of Cable, approx	kg/km	6030
5. Packaging		
Std packing		W. Drum
Packing Length with tolerance		500mtrs±5%
6. Electrical parameters		
DC Resistance of conductor, max	Ω/km	0.0283
Current Carrying Capacity, 1 ph ac or dc (in conduit or trunking) at 30°C	A	720
Current Carrying Capacity 3 ph ac (in conduit or trunking) at 30°C	A	611
Voltage drop, approximate	mV/A/m	0.094

