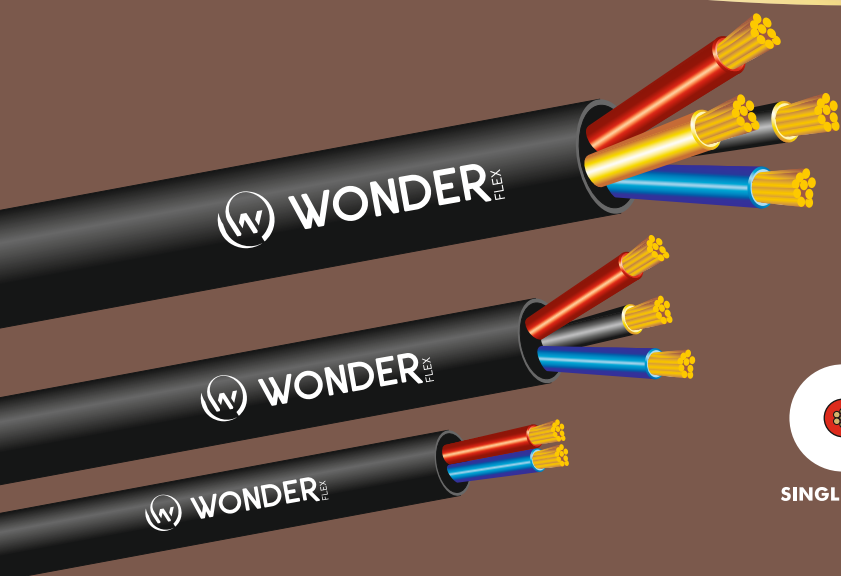




## SINGLE & MULTICORE CABLE

Round Flexible Industrial Cables



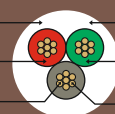
SINGLE CORE



2 CORE

PVC (Outer Sheath)

PVC Colour Skin  
Multistrand Copper  
Flexible Conductor



3 CORE

PVC (Outer Sheath)

PVC Colour Skin  
Multistrand Copper  
Flexible Conductor  
Filler



4 CORE

# SINGLE & MULTICORE CABLE

Round Flexible Industrial Cables



## PRODUCT CONSTRUCTION :

STANDARD	: IS : 694:2010 & Customer requirements
SIZES	: Single, Two, Three, Four up to 24 Core.
CONDUCTOR	: The Conductor manufacture of Pure Electrolytic Grade, bright annealed bare copper with more than 100% conductivity which makes it an excellent conductor of electricity, thus helps in saving energy.
INSULATION	: This conductor are insulated with a specially Formulated PVC compound having high insulation resistance and dielectric strength which strength which prevents leakage of electric current thus ensuring complete shocks and short circuits.
SHETH	: The outer sheath of the cable made is special grade abrasion resistant PVC Compound impervious to water, grease, oil etc., making cables highly durable.
COLOUR	: Black. Any other colour required available on request.
PACKING	: 100 mtrs. Coils. Longer lengths can be made available on request. Supplied in Woven Bags and Non returnable Wooden Drum.
MARKING	: The Cables are Printed with generic Marking “WONDERFLEX ”
KEY APPLICATION	: These cables are mostly used for wiring in machines, Control Panels, Electric Power Supply, Modern electric appliances & equipments and under typical electrical installations for wiring in various electrical installation in dry and damp interiors.
COLOR CODING CORES	: 2 Core : Red, Black 3 Core : Red, Black & Yellow / Green for Earth 4 Core : Red, Yellow, Blue and Black / Green for Earth



### SINGLE CORE / MULTI CORE ROUND FLEXIBLE INDUSTRIAL CABLE

Area Sq. mm	0.50	0.75	1.0	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0
No. & Size of Wire (Nom) No./mm	16/.20	24/.20	32/.20	48/.20	80/.20	56/.30	84/.30	140/.30	226/.30	354/.30	495/.30	703/.30
Single Core Unsheathed O.D. (Approx.mm)												
Conductor Resistance (Max.) @ 20°C Ohm/Km	39.0	26.0	19.5	13.3	7.98	4.95	3.3	1.91	1.21	0.78	0.554	0.386
Current Rating DC/AC Amp.	4	7	12	15	20	27	35	46	62	80	102	138
Insulation Thickness (Nom.) mm	0.6	0.6	0.6	0.6	0.7	0.8	0.8	1.0	1.0	1.2	1.2	1.4
Single Core Unsheathed O.D. (Approx.mm)	2.00	2.30	2.30	2.90	3.50	4.10	5.00	6.60	7.80	9.70	10.90	13.20
Single Core Sheathed												
Sheath Thickness (Nom.) mm	0.9	0.9	0.9	0.9	1.0	1.0						
Overall Diameter (Approx.) mm	4.0	4.25	4.50	5.00	5.50	6.30	Multicore Flexible Cables above 4 Sq. mm Are not covered by IS : 694					
1 Core												
2 Core												
Sheath Thickness (Nom.) mm	0.9	0.9	0.9	0.9	1.0	1.0						
Overall Diameter (Approx.) mm	6.1	6.5	7.0	7.6	9.1	10.5						
3 Core												
Sheath Thickness (Nom.) mm	0.9	0.9	0.9	0.9	1.0	1.0	1.3	1.4	1.4	1.5	1.6	2.0
Overall Diameter (Approx.) mm	6.5	7.1	7.5	8.1	9.6	11.4	13.4	18.0	21.0	25.5	29.0	33.0
4 Core												
Sheath Thickness (Nom.) mm	0.9	0.9	0.9	1.0	1.0	1.0	1.3	1.4	1.4	1.5	1.6	2.0
Overall Diameter (Approx.) mm	7.2	7.6	8.1	9.2	10.6	12.5	15.7	18.8	23.0	28.5	33.0	35.0

Note : As per international practice which is also adopted by BIS, The number and diameter of conductor strands are for reference only. Conductor resistant as per IS : 8130 if the governing criteria.