





**TYCAB New Zealand LTD**  
**H1Z2Z2-K2X6MM2-BK-100**

**Approval Sheets**

TYPE		EN50618/IEC62930	DOC.REF	TY2023
Cross-Section		H1Z2Z2-K/IEC62930 2X6mm2	Edition	A/0
				
Wire&Cable Construction		Electrical Properties		
Conductor		Voltage rating: AC 0.6/1KV,DC 1.5KV		
Construction Item(units)	6mm2	Temperature rating: -40~120°C max 125°C		
Construction(mm)	84/0.285±0.008	Dielectric strength: AC-6.5kV/5min		
Material	class 5 tinned copper wire	Spark test: AC-10kV/In the air		
O.D(mm)	2.96	Conductor resistance: 3.39ΩKM Max at20°C		
Insulation		Weathering/UV-resistance: 720h, No cracking		
Material	XLPO	Physical Properties		
Avg.Thick(mm)	0.60	Elongation of unaged values(%)≥125%		
Min.Thick(mm)	0.50	Insulation Tensile strength of unaged values (N/mm2): ≥6.5;		
O.D(mm)	4.2±0.15	Jacket Tensile strength of unaged values (N/mm2):≥8.0		
Color	Red /Black	Aged in a full draft circulating air oven: 150±2.0°C		
Jacket		Elongation of After aging(%)≤30%		
Material	XLPO	Tensile strength of After aging: ≤30%		
Avg.Thick(mm)	0.90	Ozone resistance: 25±2°C*24h No cracking		
Min.Thick(mm)	0.70	Cold bend test: -40±2°C*16h No cracking		
O.D(mm)	6.0±0.2*12.14±0.5	Cold impact test: -40°C*16h/1000g; 100mm No cracking		
Color	Black	Flame test: iec60332		
Surface	/			
Marking				
NINGBO HAISHU TIANYU CABLES & WIRE CO., LTD				
2023 R50549391 IEC131-2X6mm² 0.6/1KV AC 1.5KV DC				
SOLAR CABLE TÜV 62930 IEC 131- DC USE ONLY - DO				
NOT DISCONNECT UNDER LOAD 001M...100M				