

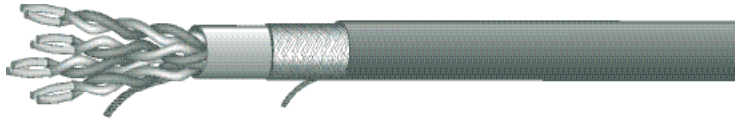
NEWguard™ cables are designed for a diverse range of low voltage power, control and data signal applications in challenging environments. We can custom design small diameter, very flexible cables for high flex life and electromagnetic noise immunity.



**APPLICATIONS OF NEWguard™ CABLES:**

- Chemical, petrochemical plants
- Wood, paper and pulp plants
- Automotive factories
- Steel, glass and metal foundries
- Mining industry
- Military ground support systems
- Arctic environments
- Down-hole pump applications
- Conveyor lines
- Mass transit systems
- Food and beverage plants
- CNC machining centers
- Packaging machinery

- Oil fields and geophysical exploration equipment
- Earth moving machinery with vibration concerns
- Clean room environment
- Satellite communications
- Inter-building communications
- Land irrigation systems
- Outdoor security systems
- Outdoor scoreboard and displays
- Pipeline sensor controls.



**PROPERTY COMPARISON, NEWguard™ JACKETING OPTIONS:**

PROPERTY	NEWguard™1	NEWguard™2	NEWguard™3	NEWguard™4	NEWguard™5*
Temperature, ° C	-20° to +80°	-20° to +80°	-20° to +80°	-40° to +105°	-60° to +150°
Jacket hardness, Shore	80-82 A	86-88 A	82 C	82 C	75 D
Abrasion resistance	Good	Very Good	Very Good	Good	Excellent
Cut through resistance	Fair	Very Good	Good	Good	Excellent
Flame resistance	Good	Good	Poor	Good	Excellent
Sunlight resistance	Good	Good	Very Good	Good	Excellent
Oil resistance**	Good	Good	Good	Good	Excellent
Chemical resistance**	Good	Very Good	Very Good	Good	Excellent
Salt water resistance**	Very Good	Good	Very Good	Very Good	Excellent
Dusty environment	Good	Very Good	Very Good	Good	Excellent
Vibration	Special designs for vibration resistance. Also special installation techniques.				
Flexibility	Very Good	Very Good	Fair	Good	Fair
Continuous flexing	Yes, custom design	Yes, custom design	No	Yes, custom design	No
Electrical noise immunity	Custom designs for high levels of immunity.				
Cable OD	Custom designs for small diameters with small conductors, insulations.				

\* NEWguard™ 5 rated - 80 to 200°C also available.  
 \*\* Chemical resistance data are for brief exposures (like splashes) to common industrial cleaning chemicals, oils, mild acids and mild bases. For more severe chemical resistance needs, please contact our design engineering team.